

# Excluded Investments

June 2024

Our approach to responsible investment is based on the principle of Double Materiality meaning that we therefore consider sustainability factors from the perspective of:

1. Financial Materiality: Protect the value of our investments and generate attractive returns.
2. Environmental and Societal materiality: Reduce the negative impacts and maximize the positive impacts that our investments have on society.

For the investment products, we make available, we apply three different categories of exclusions aimed to promote environmental and/or social characteristics through:

1. 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 social safeguards through the exclusion of **certain activities and conducts deemed harmful to society**.
2. Promotion of environmental safeguards through the exclusion of **certain activities deemed to have significant negative climate impact**.
3. Promotion of certain ethical and social safeguards through the exclusion of **certain activities deemed to be non-ethical or controversial**.

For further information on the exclusion categories, activities, criteria, scope and thresholds employed by Danske Bank, see the [Exclusion Instruction](#) under [Sustainability related disclosures \(danskebank.com\)](https://www.danskebank.com/sustainability-related-disclosures).

Investment products applying exclusions are prevented from investing in companies or issuers that fail to meet the criteria. This Exclusion list is updated bi-annually or as needed. Due to market conditions and client interests, some listed companies/countries may still be present in portfolios but are targeted for divestment.

Exclusions covers direct investments in instruments (e.g. equity, bonds) issued by issuers that are excluded per the exclusions outlined in this Exclusion List. This also includes labelled sustainability 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. Exclusions does not apply to investments in derivatives such as index derivatives or other broad-based derivatives.

Exemptions from exclusions may be granted to certain issuers if justified by fiduciary duties and approved per internal governance. Relevant issuers are noted at the end of the document, along with information on companies identified as transition cases per the thermal coal and fossil fuel exclusions.

To learn whether an investment product applies one or more of the exclusions outlined in the Exclusion Instruction and is restricted from investing in any of the excluded investments on the Exclusion List, refer to the SFDR annex in the prospectus, portfolio management agreement, or other pre-contractual documentation provided by Danske Bank. Subject to the binding elements of a given investment product, indirect investments in issuers through underlying funds are not in scope of Exclusions.

Data sources for exclusions are continuously assessed by Danske Bank's Responsible Investment team. Assessments consider data coverage, quality, methodology, costs, and other operational considerations. In the absence of a universally accepted framework for sustainability-related data, Danske Bank leverages primary reported data and information to the extent possible. When unavailable, the bank relies on third-party providers, direct information from investee companies, additional research, or reasonable assumptions/estimations. As a result, sustainability-related data may not be directly comparable to financial information and may carry the risk of misrepresentation.

Despite thorough due diligence and efforts to ensure data accuracy, completeness, and reliability, there may still be a margin of error. The use of sustainability-related data is guided by Danske Bank's Responsible Investment Policy, Instructions, and Guidelines.

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## 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 Test
3. Country Assessment

Incident & Event-based Screening	Disputed weaponry or arms trade	Biodiversity impacts	Cannabis	Harmful environmental practices	Corruption	Labour practices	Health & Safety issues	Human rights issues	Affiliated with Russia	Product safety	Tax practices	Governance & controls
Company												
Abrau-Durso PJSC									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			
Agan neftegazgeologia 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		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		
Babcock International Group Plc	X											
Bajaj Hindustan Sugar.				X								
Bamtonnelstroy									X			
Bank Otkritie Financial Corp OJSC									X			
Via OFCB Capital PLC									X			
Bank Otkritie Financial Corp PJSC/Tochka									X			
Bank Rossiya OAO									X			

Incident & Event-based Screening	Disputed weaponry or arms trade	Biodiversity impacts	Cannabis	Harmful environmental practices	Corruption	Labour practices	Health & Safety issues	Human rights issues	Affiliated with Russia	Product safety	Tax practices	Governance & controls
Bank St Petersburg PJSC									X			
Bank ZENIT PJSC									X			
Barrick (PD) Australia Finance Pty Ltd.				X				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			
BCA Customer Finance, Inc.	X											
Beijing Tong Ren Tang Chinese Medicine Co., Ltd.		X										
Beijing Tongrentang Co., Ltd.		X										
Belon OJSC									X			
Belspetsvneshtekhnika	X											
Beluga Group PJSC									X			
Bharat Electronics Limited	X											
Bharat Heavy Electricals Ltd		X		X								
Black Sea Trade & Development Bank									X			
Boeing Capital Corp.	X											
BRF SA		X		X								
Bunge Alimentos SA		X		X							X	
Bunge Brasil SA		X		X							X	
Bunge Finance Europe BV		X		X							X	
Bunge Ltd		X		X							X	
Bunge Ltd. Finance Corp.		X		X							X	
Bunge NA Finance LP		X		X							X	
BWX Technologies, Inc.	X											
CAE Inc.	X											
Cargill		X		X							X	
Center for Cargo Container Traffic TransContainer									X			
Centerenergyholding JSC									X			
Centrais Eletricas Brasileiras SA		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									X			
Chelyabinsk Metallurgical Plant									X			
Chelyabinsk Pipe Plant PJSC									X			
Cherkizovo Group PJSC									X			
China Coal Energy Co Ltd				X								
China Evergrande Group												X
China National Nuclear Corp.	X											
China National Petroleum Corporation (CNPC)						X						
China Northern Rare Earth (Group) High-Tech Co Ltd				X								
China Shipbuilding Industry Co., Ltd.	X											
China Traditional Chinese Medicine Holdings Co. Ltd.		X										
Chrezvichainaia strahovaia co CHSK OAO									X			
CNOOC Canada, Inc.		X		X								
CNOOC Curtis Funding No. 1 Pty.		X		X								
CNOOC Finance (2003) Ltd.		X		X								
CNOOC Finance (2011) Ltd.		X		X								
CNOOC Finance (2012) Ltd.		X		X								
CNOOC Finance (2013) Ltd.		X		X								
CNOOC Finance (2014) ULC		X		X								
Cnooc Finance (2015) Australia Pty.		X		X								
CNOOC Finance (2015) U.S.A. LLC		X		X								

Incident & Event-based Screening	Disputed weaponry or arms trade	Biodiversity impacts	Cannabis	Harmful environmental practices	Corruption	Labour practices	Health & Safety issues	Human rights issues	Affiliated with Russia	Product safety	Tax practices	Governance & controls
CNOOC		X		X								
Commercial Sea Port of Vladivostok									X			
Companhia Energetica De Minas Gerais (CEMIG)				X				X				
Conoco Funding Co.				X								
ConocoPhillips				X								
ConocoPhillips Australia Funding				X								
ConocoPhillips Canada Funding Co. I				X								
ConocoPhillips Canada Funding Co. II				X								
ConocoPhillips Co.				X								
CoreCivic Corp						X		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									X			
EISewedy Electric Co		X										
Emera Inc				X								
Emera US Finance LP				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			
Evergrande Property Services Group.												X
Evergreen Marine Corp Taiwan Ltd				X		X						
Evraz Plc									X			
Eximbank of Russia									X			
Export-Import Bank of India				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			
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		X				
Geotech Seismic Services PJSC									X			
Giprospeitzgaz OAO									X			
Glencore		X		X							X	

Incident & Event-based Screening	Disputed weaponry or arms trade	Biodiversity impacts	Cannabis	Harmful environmental practices	Corruption	Labour practices	Health & Safety issues	Human rights issues	Affiliated with Russia	Product safety	Tax practices	Governance & controls
Golden Agri-Resources Ltd								X				
Grand Pharmaceutical Group Ltd.		X				X						
Grupo Mexico SAB de CV				X								
Gruppa kompaniy kommunalnoy sfery PAO									X			
Gtlk Europe Capital DAC									X			
Halcyon Agri Corp Ltd		X		X				X				
HALS-Development PJSC									X			
Haolangni Health Food Co., Ltd.						X						
Harmony Gold Mining Co Ltd						X						
Hexo Corp			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			
Huntington Ingalls Industries, Inc.	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		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			
Jacobs Solutions, Inc.	X											
Jastrzebska Spolka Weglowa SA				X								
JBS Finance II Ltd.		X		X	X							
JBS SA		X		X	X							
JBS USA Finance, Inc.		X		X	X							
JBS USA LLC		X		X								
JG Summit Holdings, Inc.				X								
Jiangsu Guotai International Group						X						
Jiangxi Copper				X								
Jinko Solar Co						X						
Jinko Solar Holding Co Ltd						X						
Jointown Pharmaceutical Group								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			
Korea Line Corp				X		X						
Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO									X			
Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO	X											
Korshynov Mining Plant PJSC									X			
Kovrovskiy Mekhanicheskii Zavod OAO									X			
Krasfarma OAO									X			

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Krasnoyarskenergosbyt PJSC									X			
Krasnoyarsknefteproduct									X			
Krasnyj Ocyabr PJSC									X			
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			
Leidos Holdings, Inc.	X											
Leidos, Inc.	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 Coltd						X						
M.Video PJSC									X			
Magadanenergo PJSC									X			
Magnit PJSC									X			
Magnitogorsk Iron & Steel Works									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									X			
Moscow Exchange MICEX-RTS									X			
Mosenergo PJSC									X			
Mostotrest PJSC									X			
Muhibbah Engineering (M) Bhd.						X						
Nauchno-Proizvodstvennoe Obединenie S plav OAO	X											
NC Rosneft - Kubanefteproduct									X			
Nitel OAO									X			
Nizhegorodoblغاز OAO									X			
Nizhnekamskneftekhim PJSC									X			
Novatek PJSC									X			
Novikombank AO									X			
Novolipetsk Steel PJSC									X			
Novoroslesexport OAO									X			
Novorossiysk Commercial Sea Port									X			
Novorossiyskiy Kombinat Khleboproduktov PAO									X			
NTPC Ltd		X		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				

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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		X				
Posco International Corp				X		X		X				
Positive Group PJSC									X			
Power Construction Corporation of China		X										
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			
Rostovoblgaz 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			



Incident & Event-based Screening	Disputed weaponry or arms trade	Biodiversity impacts	Cannabis	Harmful environmental practices	Corruption	Labour practices	Health & Safety issues	Human rights issues	Affiliated with Russia	Product safety	Tax practices	Governance & controls
RussNefc 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									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			
Shikun & Binui					X							
Sinotruk Hong Kong Ltd.	X											
Sistema PJSFC									X			
SJVN Lmt.				X								
SK Holdings Co								X				
SK Innovation Co Ltd								X				
Slavneft-Megionneftegaz PPO OAO									X			
Slavneft-Megionneftegazgeologia OAO									X			
Slavneft-Yaroslavnfteorgsintez OJSC									X			
SLC Agricola SA		X		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								
Textron Financial Corp.	X											
Textron Inc.	X											
Texwinca Holdings Co						X						
TGC-1 PJSC									X			
TGC-2 PJSC									X			
TGK-14 PJSC									X			
The Boeing Company	X											
TNS energo Nizhny Novgorod									X			
TNS energo Rostov-on-Don									X			
TNS Energo Voronezh PJSC									X			
TNS energo Yarosavl PJSC									X			

Incident & Event-based Screening	Disputed weaponry or arms trade	Biodiversity impacts	Cannabis	Harmful environmental practices	Corruption	Labour practices	Health & Safety issues	Human rights issues	Affiliated with Russia	Product safety	Tax practices	Governance & controls
TNS Energos PJSC									X			
Tong Ren Tang Technologies		X										
Tongling Nonferrous Metals Group								X				
Toyo Ventures Holdings Bhd.				X								
TransFin-M PAO									X			
Transkapitalbank									X			
Trina Solar						X						
Tri-State Generation and Transmission Association Inc				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									X			
United Credit Systems PJSC									X			
United Shipbuilding Corporation									X			
United Wagon Co PJSC									X			
Ural Bank for Reconstruction and Development									X			
Uralektromed OAO									X			
Uralkali PJSC									X			
UralSib Bank PJSC									X			
Uralskaya Kuznitsa OAO									X			
Uralvagonzavod									X			
UTair Aviation PJSC									X			
Vale SA				X								
Varyeganneftegaz PJSC									X			
Vedanta Limited				X				X				
Vedanta Resources Finance II Plc				X				X				
Vedanta Resources Jersey Ltd.				X				X				
Vedanta Resources				X				X				
Victory City International Holdings.						X						
VK Co Ltd									X			
Vnesheconombank Via VEB Finance									X			
Volcan Cia Minera SAA				X								
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						X						
Xinjiang Zhongthai Chemical						X						
Yakutsk Fuel-Energy									X			
Yakutskenergo									X			
YAmaltransstroj									X			
Yandex NV									X			
Youngor Group						X						
Yunnan Baiyao Group		X										
Yuzhno-Ural'skij nikelovyj kombinat									X			
Yuzhural-Asko PJSC									X			
Zavod Imeni VA Degtvaeva OAO									X			

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Zhen Ding Technology Holding						X						
Zijin International Capital Co				X								
Zijin International Finance Co				X								
Zijin Mining				X								
ZIL PJSC									X			
ZTE Corp					X							
Zuari Agro Chemicals				X								
<b>Total excluded companies</b>	<b>25</b>	<b>49</b>	<b>1</b>	<b>103</b>	<b>6</b>	<b>44</b>	<b>1</b>	<b>35</b>	<b>244</b>	<b>1</b>	<b>10</b>	<b>2</b>

### Good Governance Practices

Criteria	Company	Company	Company
Good Governance Practices	ABC-MART, INC.	First Foundation Inc.	Shanghai Pharmaceuticals Holding.
Good Governance Practices	Alteogen,.	Fujicco Co.,.	Shinpoong Pharmaceutical
Good Governance Practices	Celltrion Pharm Inc.	Galaxy Entertainment Group Limited	SillaJen, Inc.
Good Governance Practices	China CITIC Bank Corporation Limited	Jiangxi Copper Company Limited	Sketchers U.S.A.
Good Governance Practices	China CITIC Financial Asset Management	Lotte Energy Materials Corp.	Skillz Inc.
Good Governance Practices	Cineworld Group plc	Monarch Casino & Resort	SmartFinancial.
Good Governance Practices	Converge Technology Solutions Corp.	MTY Food Group Inc.	STEICO SE
Good Governance Practices	CRRC Corporation Limited	New China Life Insurance Compan.	TX Group AG
Good Governance Practices	Datang International Power Generation .	Photronics, Inc.	Urban One, Inc.
Good Governance Practices	DONG SUH Companies Inc.	PICC Property and Casualty Company Limited	Xinyi Glass Holdings Ltd.
Good Governance Practices	DoubleUGames Co	S&U plc	Zhaojin Mining Industry
Good Governance Practices	Everbright Securities Company Limited	Saul Centers	
Good Governance Practices	Evertz Technologies Limited	Shandong Gold Mining Co., Ltd.	
<b>Total excluded companies</b>			<b>37</b>

### Country Exclusions

Criteria	Country	Country	Country
Country Exclusions	Afghanistan	Equatorial Guinea	Niger
Country Exclusions	Bangladesh	Eritrea	North Korea
Country Exclusions	Belarus	Guinea	Russia
Country Exclusions	Burundi	Haiti	Somalia
Country Exclusions	Cambodia	Iran	South Sudan
Country Exclusions	Central African Republic	Liberia	Sudan
Country Exclusions	Chad	Libya	Syria
Country Exclusions	Cuba	Madagascar	Turkmenistan
Country Exclusions	Democratic Republic of Congo	Myanmar	Yemen
<b>Total excluded countries</b>			<b>27</b>

## SPU

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

Criteria	Company	Company	Company
SPU	Aboitiz Power Corp	Evergreen Marine Corp Taiwan Ltd	NTPC Ltd
SPU	AES Andes SA	Evergry Inc	Oil & Natural Gas Corp Ltd
SPU	AES Corp/The	Exxaro Resources Ltd	Okinawa Electric Power Co Inc/The
SPU	AGL Energy Ltd	FirstEnergy Corp	Otter Tail Corp
SPU	Airbus SE	Fluor Corp	PacifiCorp
SPU	ALLETE Inc	Formosa Chemicals & Fibre Corp	Page Industries Ltd
SPU	Alliant Energy Corp	Formosa Taffeta Co Ltd	Peabody Energy Corp
SPU	Altria Group Inc	Freeport-McMoRan Inc	PGE Polska Grupa Energetyczna SA
SPU	Ameren Corp	GAIL India Ltd	Philip Morris Cr AS
SPU	American Electric Power Co Inc	Genting Bhd	Philip Morris International Inc
SPU	Ashtrom Group Ltd	Glencore PLC	PNM Resources Inc
SPU	Aurora Cannabis Inc	Grand Pharmaceutical Group	Poongsan
SPU	AviChina Industry & Technology	Great River Energy	POSCO Holdings
SPU	BAE Systems	Guangdong Electric Power Development	Posco International Corp
SPU	Barrick Gold Corp	Gudang Garam tbk pt	Power Construction Group of China
SPU	Beijing Tong Ren Tang Chinese Medicine	Gujarat Mineral Development Corp	PT Astra International Tbk
SPU	Bharat Electronics Ltd	Halcyon Agri Corp Ltd	PTT Oil & Retail Business PCL
SPU	Bharat Heavy Electricals	Hanjaya Mandala Sampoerna Tbk PT	PTT PCL
SPU	Boeing Co/The	HK Electric Investments & HK Electric Investments Ltd	Public Power Corp SA
SPU	British American Tobacco Malaysia	Hokkaido Electric Power Co Inc	Reliance Infrastructure Ltd
SPU	British American Tobacco Plc	Hokuriku Electric Power Co	Reliance Power Ltd
SPU	BWX Technologies Inc	Honeys Holdings Co Ltd	RWE AG
SPU	Canadian Natural Resources Ltd	Honeywell International Inc	Safran SA
SPU	Canopy Growth Corp	Huabao International Holdings Ltd	Sasol Ltd
SPU	Capital Power Corp	Huadian Energy Co Ltd	Scandinavian Tobacco Group A/S
SPU	Cenovus Energy Inc	Huadian Power International Corp	SDIC Power Holdings Co Ltd
SPU	Centrais Elétricas Brasileiras SA	Huaneng Power International Inc	Shanghai Industrial Holdings Ltd
SPU	CESC Ltd	Huntington Ingalls Industries Inc	Shapir Engineering and Industry Ltd
SPU	CEZ AS	IDACORP Inc	Shikoku Electric Power Co Inc
SPU	China Coal Energy Co Ltd	Imperial Brands Plc	Shikun & Binui Ltd
SPU	China Power International Development Ltd	Imperial Oil Ltd	Suncor Energy Inc
SPU	China Resources Power Holdings	Inner Mongolia Yitai Coal	Ta Ann Holdings Bhd
SPU	China Shenhua Energy Co Ltd	ITC Ltd	Tata Power Co Ltd/The
SPU	China Traditional Chinese Medicine Holdings	Jacobs Solutions	Tenaga Nasional Bhd
SPU	Chugoku Electric Power Co Inc/The	Japan Tobacco Inc	Textron Inc
SPU	CLP Holdings Ltd	Jardine Cycle & Carriage Ltd	Tilray Brands Inc
SPU	Coal India Ltd	Jardine Matheson Holdings Ltd	Tong Ren Tang Technologies Co Ltd
SPU	Cognyte Software Ltd	Jastrzebska Spolka Weglowa SA	TransAlta Corp
SPU	CONSOL Energy Inc	JBSS/A	Tri-State Generation and Transmission Association Inc
SPU	Cronos Group Inc	Korea Electric Power Corp	Universal Corp/VA
SPU	Danya Cebus Ltd	Korea Gas Corp	Vale SA
SPU	Datang International Power Generation Co Ltd	Korea Line Corp	Vector Group Ltd
SPU	Delek Group Ltd	KT&G Corp	Vedanta Ltd
SPU	DMCI Holdings Inc	Li Ning Co Ltd	Volcan Cia Minera SAA
SPU	DTE Energy Co	Lockheed Martin Corp	Washington H Soul Pattinson & Co
SPU	Duke Energy Corp	Lu Thai Textile Co Ltd	WEC Energy Group Inc
SPU	Eastern Co SAE	Lubelski Wegiel Bogdanka SA	Whitehaven Coal Ltd
SPU	Elbit Systems Ltd	Malakoff Corp Bhd	WTK Holdings Bhd
SPU	Elco Ltd	Mativ Holdings Inc	Xcel Energy Inc
SPU	Electra Ltd/Israel	MGE Energy Inc	Yankuang Energy Group Co Ltd
SPU	Electric Power Development Co Ltd	Mivne Real Estate KD Ltd	Young Poong Corp
SPU	Electricity Generating PCL	MMC Norilsk Nickel PJSC	Yunnan Baiyao Group Co Ltd
SPU	ElSewedy Electric Co	New Hope Corp Ltd	Zijin Mining Group Co Ltd
SPU	Emera Inc	NHPC Ltd	ZTE Corp
SPU	Eneva SA	Northrop Grumman Corp	Zuari Agro Chemicals Ltd
SPU	Engie Energia Chile SA	NRG Energy Inc	
<b>Total excluded companies</b>			<b>167</b>

## 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).

Tar Sands		
Company	Production	Services
Arrow Exploration Corp.	X	
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	
CK Hutchison Capital Securities (17) Ltd.	X	
CK Hutchison Capital Securities (Europe) Ltd.	X	
CK Hutchison Europe Finance (18)	X	
CK Hutchison Europe Finance (21)	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)	X	
Hutchison Whampoa Finance (03/13)	X	
Hutchison Whampoa Finance (05)	X	
Hutchison Whampoa Finance (06)	X	
Hutchison Whampoa Finance (09)	X	
Hutchison Whampoa Finance (14)	X	
Hutchison Whampoa Finance (C)	X	
Hutchison Whampoa Finance UK Plc	X	
Hutchison Whampoa International (03/33)	X	
Hutchison Whampoa International (09)	X	
Hutchison Whampoa International (09/16)	X	
Hutchison Whampoa International (09/19)	X	
Hutchison Whampoa International (10)	X	
Hutchison Whampoa International (11)	X	
Hutchison Whampoa International (12)	X	
Hutchison Whampoa International (14)	X	
Hutchison Whampoa International 12 II	X	
Imperial Oil Limited	X	
Japan Petroleum Exploration Co	X	
MEG Energy Corp.	X	
North West Redwater Partnership	X	
PC Financial Partnership	X	
Pengrowth Energy Corporation	X	
Petroleos de Venezuela SA	X	
Strata Power Corp.	X	
Strathcona Resources	X	
Suncor Energy Inc.	X	
Sunshine Oilsands	X	
<b>Total excluded companies</b>	<b>54</b>	<b>0</b>

## Thermal Coal

Thermal coal designates coal used by power plants and industrial steam boilers to produce electricity or process steam.

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 Energy Solutions Limited		X
Adani Enterprises Limited	X	
Adani Power Limited		X
AES Andes SA		X
AES Andres BV		X
AES Argentina Generacion SA		X
AES El Salvador Trust II		X
African Rainbow Minerals Ltd.	X	
AGL Energy Limited		X
Agritrade Resources Limited	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	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
Beijing Haohua Energy Resource Co., Ltd.	X	
Beijing Jingneng Power Co., Ltd.		X
Berkshire Hathaway Energy Co.		X
BHP Billiton Finance (USA) Ltd.	X	
BHP Billiton Finance BV	X	
BHP Billiton Finance Ltd.	X	
BHP Group Limited	X	
Bisichi Plc	X	
BKW AG		X
BKW Energie AG		X
Black Hills Corporation		X
Brickworks Limited	X	
Bulgarian Energy Holding EAD		X
Bumi Investment Pte Ltd.	X	
Can2 Termik AS		X
Capital Power Corporation		X
CenterPoint Energy, Inc.		X
CESC Ltd.		X
China Coal Energy Company Limited	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	X	X
China Huaneng Group Co., Ltd.		X
China Longyuan Power Group Corp. Ltd.		X
China Power International Development Limited		X
China Qinfa Group Ltd.	X	
China Resources Power Holdings Co., Ltd.		X
China Shenhua Energy Company Limited	X	X

Thermal Coal Company	Coal extraction	Power generation
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
CONSOL Energy Inc.	X	X
Consumers Energy Company		X
ContourGlobal Ltd.		X
ContourGlobal Power Holdings SA		X
Datang International Power Generation Co., Ltd.		X
DMCI Holdings, Inc.	X	X
Dominion Energy, Inc.		X
Dominion Resources Capital Trust I		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 Co., Ltd.		X
Elion Energy Co., Ltd.		X
Emera Incorporated		X
Empresa Electrica Angamos SA		X
ENEA SA		X
Enel Generacion Chile SA		X
Energa Finance AB		X
Energa SA		X
Energeticky a Prumyslovy Holding AS		X
Engie Energia Chile SA		X
Engro Corporation Limited		X
Entergy Arkansas LLC		X
Entergy Corporation		X
Entergy Utility Affiliates LLC		X
Entergy Utility Property, Inc.		X
EP Energy as		X
EP Infrastructure as		X
EPH Financing International as		X
Eskom Holdings SOC Ltd.		X
Eterna Capital Pte Ltd.	X	
Evergy Kansas Central, Inc.		X
Evergy, Inc.		X
EWV AG		X
Exxaro Resources Ltd.	X	
Feishang Anthracite Resources Ltd.	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
Genesis Energy Limited		X
Geo Energy Resources Limited	X	
Georgia Power Co.		X
Glencore Capital Finance DAC	X	X
Glencore Finance (Canada) Ltd.	X	X
Glencore Finance (Europe) Ltd.	X	X
Glencore Funding LLC	X	X
Glencore plc	X	X
Global Power Synergy Public Company Limited		X
Glow Energy Public Company Limited		X
GMR Power & Urban Infra Ltd.	X	X

Thermal Coal Company	Coal extraction	Power generation
Golden Energy and Resources Limited	X	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	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
Hallador Energy Company	X	X
Hero Asia Investment Ltd.		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
Huadian Power International Corp. Ltd.		X
Huaibei Mining Holdings Co., Ltd.	X	
Huaneng Hong Kong Capital Ltd.		X
Huaneng Power International, Inc.		X
Hubei Energy Group Co., Ltd.		X
IDACORP, Inc.		X
Idemitsu Kosan Co., Ltd.	X	
IE2 Holdco SAU		X
Indiana Michigan Power Co.		X
Indika Energy Capital II Pte Ltd.	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		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
Israel Electric Corp. Ltd.		X
Izmir Demir Celik Sanayi AS		X
Jaiprakash Power Ventures Limited	X	X
Jardine Cycle & Carriage Limited	X	
Jastrzebska Spółka Weglowa SA	X	
Jiangsu Guoxin Corp. Ltd.		X
Jinneng Holding Shanxi Coal Industry Co., Ltd.	X	
Jinneng Holding Shanxi Electric Power Co., Ltd.		X
Jionto Energy Investment Co., Ltd. Hebei		X
Jizhong Energy Resources Co., Ltd.	X	
JSW Energy Limited		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	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



Thermal Coal Company	Coal extraction	Power generation
Manila Electric Co.		X
MC Mining Limited	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	
NACCO Industries, Inc.	X	
Natural Resource Partners LP	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
NRG Energy, Inc.		X
NTPC Limited		X
Odas Elektrik Uretim Sanayi Ticaret AS		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	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
PGNiG Finance AB		X
Pingdingshan Tianan Coal Mining Co., Ltd.	X	
Pinnacle West Capital Corporation		X
PNM Resources, Inc.		X
Polskie Gornictwo Naftowe i Gazownictwo SA		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 Energy Indonesia Tbk	X	
PT Adaro Indonesia	X	
PT Alfa Energi Investama Tbk	X	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 Indonesia Asahan Aluminium (Persero)	X	
PT MNC Asia Holding Tbk	X	
PT Perusahaan Listrik Negara (Persero)		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

Thermal Coal Company	Coal extraction	Power generation
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 Company Limited		X
Refrigeration Electrical Engineering Corp.		X
Reliance Infrastructure Limited		X
Reliance Power Limited		X
Rhino Resource Partners LP	X	
RWE AG		X
Sadovaya Group	X	
Sakari Resources Ltd.	X	
Salungano Group Ltd.	X	
Samruk-Energy JSC	X	X
San Miguel Corporation		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	X
Shandong Energy Group Co., Ltd.	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.	X	
Shenergy Co., Ltd.		X
Shenzhen Energy Group Co., Ltd.		X
Shikoku Electric Power Co., Inc.		X
Shaanxi Coal Industry Co., Ltd.	X	
Sierra Pacific Power Co.		X
SMC Global Power Holdings Corp.		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
SPIC 2018 USD Senior Perpetual Bond Co. Ltd.		X
SPIC Luxembourg Latin America Renewable Energy Investment		X
State Power Investment Corp., Ltd.		X
STEAG GmbH		X
Stronghold Digital Mining, Inc.		X
Sunpower Group Ltd.		X
Taiwan Cement Corp.		X
Talen Energy Corp.		X
Talen Energy Supply LLC		X
Tauron Polska Energia SA		X
TBEA 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		X
The Southern Company		X
The Tata Power Company Limited		X
Thungela Resources Ltd.	X	
Tiandi Science & Technology Co., 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
Topy Industries, Ltd.		X

Thermal Coal Company	Coal extraction	Power generation
Torrent Power Limited		X
TPI Polene Power Public Co., Ltd.		X
TPI Polene Public Co. Ltd.		X
TransAlta Corporation		X
Tucson Electric Power Co., Inc.		X
Union Electric Co.		X
Uniper SE		X
Unipro PJSC		X
Vectren Corp.		X
Viesgo Infraestructuras Energeticas SL		X
Vimetco NV	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 & Power Public Co. Ltd.		X
Whitehaven Coal Limited	X	
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	X
Yancoal Australia Ltd.	X	
Yancoal International Resources Development Co., Ltd.	X	
Yankuang Energy Group Co., Ltd.	X	
Yankuang Group (Cayman) Ltd.	X	
Zhejiang Zheneng Electric Power Co., Ltd.		X
Zhengzhou Coal Industry & Electric Power Co., Ltd.	X	
<b>Total excluded companies</b>	<b>138</b>	<b>269</b>

## Thermal Coal Transition Cases

Current list of approved transition cases for the Thermal Coal exclusion category:

CEZ as

EDP Finance BV

EDP-Energias de Portugal SA

EnBW Energie Baden Wuerttemberg AG

ENBW International Finance BV

RWE AG

## 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.

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
2i Rete Gas SpA				X			
3i Infrastructure plc			X		X		X
3R Petroleum Oleo e Gas SA		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				X			
Abu Dhabi National Energy		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			
Adani Electricity Mumbai Ltd.			X		X		
Adani Energy Solutions Limited			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			X	
ADNOC Logistics & Services Plc				X			X
Advantage Energy Ltd.		X	X				
Aegis Logistics Ltd.				X			
Aenza SAA		X	X				X
AES Andes SA			X		X		
AES Andres BV			X		X		
AES Argentina Generacion SA			X		X		
AES El Salvador Trust II			X		X		
Africa Oil Corp.		X	X				
African Rainbow Minerals Ltd.		X	X				
AGL Energy Limited			X	X	X		
Agritrade Resources Limited		X	X				
Ahlatci Dogal Gaz Dagitim Enerji ve Yatirim AS				X			
Al Candelaria (Spain) SLU				X			
Air Water, Inc.				X			
Akastor ASA							X
Akenerji Elektrik Uretim AS			X		X		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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							
Albanesi SA			X		X		
Albioma SA			X		X		
Aldrees Petroleum & Transport Services Co.				X			
Alexandria Mineral Oils Co.			X			X	
Algonquin Power & Utilities			X	X	X		
ALLETE, Inc.		X	X		X		
Alliance Holdings GP LP		X	X				
Alliance Oil Co. Ltd.		X	X				
Alliance Resource Operating Partners LP		X	X				
Alliance Resource Partners LP		X	X				
Alliant Energy Corporation			X	X	X		
Alon USA Energy, Inc.			X			X	
Alpha Metallurgical Resources.		X	X				
Alpiq Holding AG			X		X		
Alta Mesa Holdings, LP		X	X				
Alta Mesa Resources, Inc.		X	X	X		X	
AltaGas Ltd.				X			
Altera Infrastructure LP							X
Altera Infrastructure LP							
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 Plc		X	X				
Amplify Energy Corp.		X	X				
Amplify Energy Corp.							
Ampol Limited			X	X		X	
An Hui Wenergy Co., Ltd.			X	X	X		
Anadarko Petroleum Corporation		X	X	X			
Andeavor LLC			X			X	
Anglo American Capital Plc		X	X				
Anglo American plc		X	X				
Anhui Hengyuan Coal Industry & Electricity Power Co., Ltd.		X	X				
AntarChile SA				X			
Antero Midstream Corporation				X			X
Antero Midstream Partners LP				X			
Antero Resources Corporation		X	X	X			
Antero Resources Finance Corp.		X	X	X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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			
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			X	
Asia Cement Corp.			X		X		
Aspire Mining Limited	X						
ATCO Ltd.				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
Avangrid, Inc.				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

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Baltimore Gas & Electric Co.				X			
Bangchak Corporation Public Company Limited		X	X	X		X	
Bangchak Sriracha PCL			X			X	
Bangkok Aviation Fuel Services Public				X			
Banpu Power Public Co. Ltd.			X		X		
Banpu Public Company Limited		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				
Beijing Jingneng Clean Energy Co., Limited			X		X		
Beijing Jingneng Power Co., Ltd.			X		X		
Belgelec Finance SA			X	X	X		
Berkshire Hathaway Energy Co.			X	X	X		
Berry Corporation		X	X				X
Berry Petroleum Co. LLC		X	X				X
Bestsun Energy Co., Ltd.				X			
Bestway Marine & Energy Technology Co., Ltd.				X			
Bharat Petroleum			X			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				
Binh Son Refining & Petrochemical Co. Ltd.			X			X	
Binhai Investment Company				X			X
Birchcliff Energy Ltd.		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		
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				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Bluewater Energy Services BV							X
BOA SBL AS							X
Boardwalk Pipeline Partners LP				X			X
Boardwalk Pipelines LP				X			X
Bollere SE				X			
Bonavista Energy Corporation		X	X				
Bonterra Energy Corp.		X	X				
Borets Finance DAC							X
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.			X				
Braskem America Finance Co.							
Braskem Finance Ltd.							
Braskem Netherlands Finance BV							
Braskem SA							
Brickworks Limited		X	X				
Brightoil Petroleum (Holdings)				X			
Bristow Group Inc.							X
Brooge Energy Limited				X			
Brooge Petroleum & Gas Investment Co. FZE				X			
Brookfield Business Partners LP				X			
Brookfield Corporation				X			
Brookfield Finance II, Inc.				X			
Brookfield Finance LLC				X			
Brookfield Finance, Inc.				X			
Brookfield Infrastructure Corporation				X			
Brookfield Infrastructure Finance				X			
Brookfield Infrastructure Finance				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		
Bumi Armada Berhad							X
Bumi Investment Pte Ltd.		X	X				
BW Energy Ltd.		X	X				
BW Group Ltd.							X
BW LPG Ltd.							X
BW Offshore Ltd.		X	X				X
Cactus, Inc.							X
Cadent Finance Plc				X			
Cadogan Energy Solutions Plc		X	X				
CalEnergy Generation LLC			X		X		



Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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		
Calumet Specialty Products Partners, L.P.			X			X	
Camber Energy, Inc.		X	X				
Cameron LNG LLC				X			
Can2 Termik AS			X		X		
Canacol Energy Ltd.		X	X	X			
Canadian Natural Resources Limited		X	X				
Canadian Utilities Limited				X			
CanAsia Energy Corp.	X						
Canbriam Energy, Inc.		X	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	
Cenovus Energy Inc.							
CenterPoint Energy Resources Corp.				X			
CenterPoint Energy, Inc.			X	X	X		
Central Puerto SA			X		X		
Centrica Plc				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		
CGG							X
CGN New Energy Holdings Co., Ltd.			X		X		
CH Energy Group, Inc.				X			
ChampionX Corporation							X
Chandra Prabhu International Ltd.				X			
Channel Infrastructure NZ Limited			X	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			X	
Chesapeake Energy Corporation		X	X				
Chesapeake Utilities Corporation				X			
Cheung Kong Infrastructure Finance BVI Ltd.				X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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			
China Coal Xinji Energy Co., Ltd.		X	X		X		
China Gas Holdings Limited				X			X
China High Speed Transmission Equipment Group Co., Ltd.				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		X	X		X		
China Huaneng Group Co			X		X		
China Huarong Energy Company Limited		X	X				X
China Longyuan Power Group Corp. Ltd.			X	X	X		
China Merchants Energy Shipping Co., Ltd.							X
China National Chemical Corp., Ltd.			X			X	
China National Petroleum Corp.		X	X				
China Oil & Gas Group Ltd.			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 Ltd.		X	X				
China Resources and Transportation Group Limited				X			
China Resources Gas Group Limited				X			
China Resources Power Holdings Co., Ltd.			X		X		
China Risun Group Ltd.			X	X		X	
China Shenhua Energy Company Limited		X	X		X		
China Shenhua Overseas Capital		X	X		X		
China Suntien Green Energy Corporation Limited				X			
China Three Gorges Corp.			X		X		
Chord Energy Corporation		X	X	X			
Chubu Electric Power Co., Inc.			X		X		
Churchill Mining plc	X						
Cimarex Energy Co.		X	X				
Cimarex Resolute LLC		X	X				
CITGO Holding, Inc.			X			X	
CITGO Petroleum Corp.			X			X	
CITIC Limited			X				
CITIC Resources Finance (2007)		X	X				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
CITIC Resources Holdings Limited		X	X				
Civitas Resources, Inc.		X	X				
CK Hutchison Capital Securities (17)		X	X				
CK Hutchison Capital Securities (Europe)		X	X				
CK Hutchison Europe Finance (18)		X	X				
CK Hutchison Europe Finance (21) Ltd.		X	X				
CK Hutchison Finance (16) (II) Ltd.		X	X				
CK Hutchison Finance (16) Ltd.		X	X				
CK Hutchison Group Telecom Finance SA		X	X				
CK Hutchison Holdings Limited		X	X				
CK Hutchison International (16)		X	X				
CK Hutchison International (17) II		X	X				
CK Hutchison International (17)		X	X				
CK Hutchison International (19) (II) Ltd.		X	X				
CK Hutchison International (19) Ltd.		X	X				
CK Hutchison International (20) Ltd.		X	X				
CK Hutchison International (21) Ltd.		X	X				
CK Infrastructure Holdings				X			
CK Power Public Company			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		X	X				X
CLP Holdings Limited			X	X	X		
CMS Energy Corporation			X	X	X		
CNAC (HK) Finbridge Co. Ltd.			X			X	
CNAC (HK) Synbridge Co., Ltd.			X			X	
CNOOC Curtis Funding No. 1 Pty		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			X	
CNRC Capitale Ltd.			X			X	
CNX Midstream Partners LP				X			
CNX Resources Corporation		X	X	X			

Fossil Fuel							
Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Coal Energy SA		X	X	X			
Coal India Ltd.		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			
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			
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
Consumers Energy Company			X	X	X		
Contact Energy Ltd			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			X	
Corsa Coal Corp.		X	X				
Cosan Finance Ltd.				X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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			X	
Coterra Energy Inc.		X	X				
Covey Park Energy LLC			X				
Covia Holdings LLC							X
COP Holdco LP				X			
Crescent Energy Company		X	X				
Crescent Point Energy Corp.		X	X				
Crestwood Equity Partners LP				X			
Crew Energy Inc.		X	X				
CrownRock LP		X	X				
CSI Compressco LP							X
CU, Inc.				X			
Cubility AS							X
Cumberland Farms, Inc.				X			
CVR Energy, Inc.			X			X	
CVR Refining LLC			X			X	
CVR Refining LP			X			X	
Cydsa SAB de CV				X			
Czech Gas Networks Investments SARL				X			
Daimaru Enawin Co., Ltd.				X			
Daldrup & Soehne AG							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		
Dawson Geophysical Company							X
Dayang Enterprise Holdings Bhd.							X
DCC Plc				X			
DCP Midstream LP				X			
DCP Midstream Operating LP				X			
DEA Finance SA		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	
Delmarva Power & Light Co.				X			
Delta Natural Gas Co., Inc.				X			
Delta Oil & Gas, Inc.		X	X				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Denbury, Inc.		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
DIALOG Group Berhad							X
Diamond Offshore Drilling, Inc.							X
Diamond S Shipping, Inc.							X
Diamondback Energy, Inc.		X	X				
Direct Energie SA				X			
Diversified Energy Co. Plc		X	X				
DMC Global Inc.							X
DMCI Holdings, Inc.		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				X			
Dolphin Group ASA							X
Dominion Energy, Inc.			X	X	X		
Dominion Resources Capital Trust I			X	X	X		
Dommo Austria GmbH		X	X				
Dommo Energia SA		X	X				
Dorchester Minerals, L.P.		X	X				
Dorian LPG Ltd.							X
Dril-Quip, Inc.							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		
E.A. Technique (M) Berhad							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		X	
Ecopetrol SA		X	X				X
Ecora Resources Plc		X	X				
EDC Finance DAC							X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Edison International			X		X		
Edison Spa		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			
Eidesvik Offshore ASA							X
El Paso Electric Company			X		X		
EL5-Energio PJSC			X		X		
Electric Power Development Co., Ltd.			X		X		
Electricite de France SA			X	X	X		
Electricity Generating Public Co., Ltd.			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				
Empresa Electrica Angamos SA			X		X		
Empresa Nacional del Petroleo SA			X			X	
Empresas Copec SA				X			
Empresas Lipigas SA				X			
Empresas Públicas de Medellín ESP							
Enable Midstream Partners LP			X	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			
Enbridge Pipelines, Inc.				X			
EnCana Holdings Finance Corp.		X	X	X			
Endeavor Energy Resources LP		X	X				
ENEA SA			X		X		
Enefit Green AS			X		X		
Enel Americas SA			X		X		
Enel Generacion Chile SA			X	X	X		
Enel Generacion Peru SAA			X		X		
ENEOS Holdings, Inc.			X	X		X	
Enerflex Ltd.							X
Energia Finance AB			X		X		
Energia SA			X		X		
Energear Plc		X	X				
Energen Corp.		X	X				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Energetický a Průmyslový Holding AS			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			
Energijos Skirstymo Operatorius				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				
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		
ENGIE Energia Peru SA			X		X		
ENGIE SA			X	X	X		
Engro Corporation Limited			X		X		
Eni Finance International SA		X	X				
Eni SpA		X	X				
Eni USA, Inc.		X	X				
Enka Insaat ve Sanayi AS			X		X		X
EnLink Midstream Finance Corp.			X	X		X	
EnLink Midstream LLC			X	X		X	
EnLink Midstream Partners LP			X	X		X	
ENN Clean Energy International Investment Ltd.				X			X
ENN Energy Holdings Limited				X			X
ENN Natural Gas Co., Ltd.				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		
Entergy Louisiana LLC			X		X		
Entergy Utility Affiliates LLC			X		X		
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 Energy LLC							
EP Infrastructure as			X	X	X		
EPH Financing International as			X		X		
Epsilon Energy Ltd.		X	X	X			



Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
EUM Midstream Partners, LP				X			
EQT Corporation		X	X				
Equinor ASA		X	X				
Equital Ltd.		X	X				
Equitrans Midstream Corporation				X			
Erdoel-Lagergesellschaft mbH							X
ERG SpA			X		X		
Erin Energy Corp.		X	X				
Ervia				X			
ESB Finance DAC			X	X	X		
Eskom Holdings SOC Ltd.			X		X		
Essar Energy Ltd.			X			X	
Essential Utilities, Inc.				X			
Esso			X			X	
Etablissements Maurel & Prom		X	X				
ETC Sunoco Holdings LLC				X			
Eterna Capital Pte Ltd.		X	X				
Eterna Plc				X			
Eurasia Drilling Co. Ltd.							X
Eurasia Drilling Co. Ltd.							
Euronav MII, Inc.							X
Euronav NV							X
Evergy Kansas Central, Inc.			X		X		
Evergy, Inc.			X		X		
Eversource Energy				X			
Evolution Petroleum Corporation		X	X				
Evolve Transition Infrastructure				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 Ltd.		X	X				
Fermaca Enterprises S de RL de CV				X			
Ferrellgas Finance Corp.				X			
Ferrellgas LP				X			
Ferrellgas Partners, L.P.				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		

Fossil Fuel							
Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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			
Foran Energy Group Co., Ltd.				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			
Fortis Inc.			X	X	X		
Forum Energy Technologies, Inc.							X
Franco-Nevada Corporation		X	X				
Freedom Care Group Holdings Limited	X						
Freehold Royalties Ltd.		X	X				
Friedrich Vorwerk Group SE							X
Frontera Energy Corporation		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
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 Bhd.				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				
Gaz Finance Plc		X	X				
Gazprom Neft PJSC		X	X				
Gazprom PJSC		X	X				
Gazpromneft-Moscow Refinery OJSC			X			X	
Gaztransport & Technigaz SA							X
GC Treasury Center Co., Ltd.			X			X	
GD Power Development Co., Ltd.			X		X		
GEK Terna Holding Real Estate Construction SA			X	X	X		
Genel Energy Plc		X	X				
Genesis Energy Finance Corp.				X			X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Genesis Energy Limited			X	X	X		
Genesis Energy LP				X			X
Genie Energy Ltd.				X			
Genneia SA			X		X		
Genting Berhad			X				
Geo Coal International Pte Ltd.				X			
Geo Energy Resources Limited		X	X				
GeoPark Limited		X	X				
Georgia Power Co.			X		X		
Georgian Oil & Gas Corp. Ltd.			X	X	X		
Geospace Technologies Corporation							X
Gestion Securite de Stocks Securite SA				X			
Gibson Energy Inc.				X			
GIE Suez Alliance			X	X	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		
GOHL Capital Ltd.			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				
Gran Tierra Energy Inc.		X	X				
Gran Tierra Energy International Holdings Ltd.		X	X				
Grandblue Environment Co., Ltd.				X			
Granite Oil Corp.		X	X				
Granite Ridge Resources		X	X				
Great Eastern Shipping Co. Ltd.							X
Great River Energy			X		X		
Great Western Petroleum LLC		X	X				
Greenidge Generation Holdings			X		X		
Grizzly Energy LLC		X	X				
Grupo Energia Bogota SA ESP				X			
GS Caltex Corp.			X			X	
GS Holdings Corp.			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		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Guangdong Zhongnan Iron & Steel Co., Ltd.			X			X	
Guanghui Energy Co., Ltd.		X	X	X			
Guangxi Guiguan Electric Power			X		X		
Guangzhou Development Group, Inc.			X	X	X		
Guizhou Panjiang Refined Coal		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						
Hafnia Ltd.							X
Haimo Technologies Group Corp.							X
Hallador Energy Company		X	X				
Halliburton Company							X
HANJIN HEAVY INDUSTRIES & CONSTRUCTION HOLDING.			X	X	X		
Hanwa Co.				X			
Harbour Energy		X	X				
Hargreaves Services				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	X
Headwater Exploration Inc.		X	X				
Helix Energy Solutions Group							X
Hellenic Petroleum Finance			X	X		X	
HELLENiQ ENERGY Holdings			X	X		X	
Helmerich & Payne, Inc.							X
Henan Shenhua Coal & Power		X	X				
Henderson Land Development Company Limited				X			
Hengli Petrochemical			X			X	
Hengyuan Refining Company Berhad			X			X	
Henson Finance.				X			
Hera SpA				X			
Hermitage Offshore Services Ltd.							X
Hero Asia Investment Ltd.			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		X	
Hibiscus Petroleum Berhad		X	X				
Hi-Crush Inc.							X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Hidih 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			X	
Hiroshima Gas Co., Ltd.				X			
HK Electric Investments & HK Electric Investments Ltd.			X		X		
HKCG (Finance) Ltd.				X			X
HKN Energy Ltd.		X	X				
Hoegh LNG Holdings Ltd.							X
Hokkaido Electric Power Co., Inc.			X		X		
Hokkaido Gas Co., Ltd.			X	X	X		
Hokuriku Electric Power Co.			X		X		
Holly Energy Partners, L.P.				X			X
Homer City Funding LLC			X		X		
Honghua Group Ltd.							X
Hopewell Holdings			X		X		
Horizon Oil Limited		X	X				
Hornbeck Offshore Services							X
Hosken Consolidated Investments		X	X				
Houston American Energy Corp.		X	X				
HPCL-Mittal Energy Ltd.			X	X		X	
Hrvatska Elektroprivreda dd			X		X		
Huadian Energy Co., Ltd.			X		X		
Huadian Power International			X		X		
Huaibei Mining Holdings Co., Ltd.		X	X	X		X	
Huaneng Hong Kong Capital Ltd.			X		X		
Huaneng Power International.			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				
Hutchison Whampoa Europe Finance (13) Ltd.		X	X				
Hutchison Whampoa Finance (03/13) Ltd.		X	X				
Hutchison Whampoa Finance (05) Ltd.		X	X				
Hutchison Whampoa Finance (06) Ltd.		X	X				
Hutchison Whampoa Finance (09) Ltd.		X	X				
Hutchison Whampoa Finance (14) Ltd.		X	X				
Hutchison Whampoa Finance (C1) Ltd.		X	X				
Hutchison Whampoa Finance UK Plc		X	X				
Hutchison Whampoa International (03/33) Ltd.		X	X				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Hutchison Whampoa International (09) Ltd.		X	X				
Hutchison Whampoa International (09/16) Ltd.		X	X				
Hutchison Whampoa International (09/19)		X	X				
Hutchison Whampoa International (10) Ltd.		X	X				
Hutchison Whampoa International (11) Ltd.		X	X				
Hutchison Whampoa International (12) Ltd.		X	X				
Hutchison Whampoa International (14) Ltd.		X	X				
Hutchison Whampoa International 12 II Ltd.		X	X				
HYUNDAI Corp.				X			
Iberpapel Gestion SA			X		X		
Icahn Enterprises Finance.			X			X	
Icahn Enterprises LP			X			X	
ICD Funding Ltd.			X			X	
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							X
Indian Oil Corporation Limited			X			X	
Indiana Michigan Power Co.			X		X		
Indigo Natural Resources LLC		X	X				
Indika Energy Capital II Pte Ltd.		X	X	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		X	X		X		
Inner Mongolia ERDOS Resources Co., Ltd.		X	X				
Inner Mongolia Junzheng Energy & Chemical Group			X		X		
Inner Mongolia Mengdian Huaneng Thermal Power Corp..		X	X		X		
Inner Mongolia Yitai Coal Co., Ltd.		X	X			X	
Inner Mongolia Yuan Xing Energy		X	X				
innogy Finance BV				X			
INPEX Corp.		X	X				
Inter Pipeline Ltd.			X	X		X	
Inter RAO UES PJSC			X		X		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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		
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			
ITOCHU ENEX CO., LTD.				X			
Iwatani Corp.				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		X	X		X		
Jardine Cycle & Carriage Limited		X	X				X
Jardine Matheson Holdings Ltd.		X	X				X
Jardine Strategic Holdings Ltd.		X	X				X
Jastrzebska Spolka Weglowa SA		X	X			X	
Jiangsu Expressway Company Limited				X			
Jiangsu Guoxin Corp. Ltd.			X	X	X		
Jinneng Holding Shanxi Coal Industry Co., Ltd.		X	X				
Jinneng Holding Shanxi Electric Power Co., Ltd.			X		X	X	
Jinneng Science & Technology Co., Ltd.			X			X	
Jionto Energy Investment Co., Ltd. Hebei			X		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
Jonah Energy LLC		X	X				
Jones Energy Finance Corp.		X	X				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Jones Energy Holdings LLC		X	X				
Jones Energy II, Inc.		X	X				
Jones Energy, Inc.		X	X				
JSW Energy Limited			X		X		
Jutal Offshore Oil Services Ltd.							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			X	
KazMunaiGaz Finance Sub BV		X	X				
K-Electric Ltd.			X		X		
Kelt Exploration Ltd.		X	X				
KENON HOLDINGS LTD.			X		X		
Keppel Infrastructure Trust			X	X	X		
Key Energy Services, Inc.							X
Keyera Corp.			X	X		X	
KeySpan Gas East Corp.				X			
Kimbell Royalty Partners LP		X	X				
Kinder Morgan Energy Partners				X			X
Kinder Morgan Finance Co. LLC				X			
Kinder Morgan Management				X			
Kinder Morgan, Inc.				X			
Kinetic Development Group Limited		X	X				
Kinetik Holdings Inc.				X			
Kingsland Energy Corp.							X
KLX Energy Services Holdings,.							X
KNM Group Bhd.							X
Kobe Steel, Ltd.			X		X		
Koc Holding A.S.			X	X		X	
Kodiak Gas Services, Inc.							X
KOKS Finance DAC		X	X			X	
Koks PJSC		X	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			
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			
Kuwait Energy Plc		X	X				
Kuzbasskaya Toplivnaya Kompaniya PJSC		X	X	X			
Kværner ASA							X
Kyoei Tanker Co., Ltd.							X



Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
KyungDong Invest Co., Ltd.		X	X				
Kyushu Electric Power Co., Inc.			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			
Liquefied Natural Gas Limited							X
Listrindo Capital BV			X		X		
LLPL Capital Pte Ltd.			X				
Loews Corporation				X			
Lonestar Resources America.		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		
LUKOIL International Finance BV		X	X				
LX International Corp.		X	X				
LYB International Finance BV			X			X	
LYB International Finance II BV			X			X	
LYB International Finance III LLC			X			X	
LyondellBasell Industries NV			X			X	
Macquarie Infrastructure Holdings, LLC				X			
Macquarie Infrastructure Holdings, LLC							
Madriena Red de Gas Finance BV				X			
Madriena Red de Gas SAU				X			
Magellan Midstream Partners				X			
Magnolia Oil & Gas Corporation		X	X				
Magnolia Oil & Gas Operating		X	X				
Magnora ASA							X
Magseis Fairfield ASA							X
MahaEnergy 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				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Mangalore Refinery & Petrochemicals Ltd.			X			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
MarkWest Energy Finance Corp.				X			
MarkWest Energy Partners LP				X			
Martin Midstream Partners LP				X			X
Marubeni Corp.			X				
Matador Resources Company		X	X	X			
Mattr Corp.							X
Maverick Natural Resources LLC		X	X				
MC Finance Australia Pty Ltd.			X	X			
MC Mining Limited		X	X				
McCoy Global Inc.							X
McDermott Escrow 1, Inc.							X
MDGH-GMTN BV		X	X				
MDU Resources Group, Inc.				X			
Mechel PAO		X	X		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			
Mega Advance Investments Ltd.				X			
Meiwa Corp.				X			
Memorial Production Finance Corp.		X	X				
Mesquite Energy, Inc.		X	X				
Metinvest BV		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				X			
Midland Cogeneration Venture			X		X		
MIE Holdings Corporation		X	X				
MIND Technology, Inc.							X
Misen Energy AB		X	X				
Mississippi Power Co.			X		X		
Mitani Corp.				X			
Mitsubishi Corp.			X	X			
Mitsui & Co., Ltd.		X	X				
Mitsui Matsushima Holdings.		X	X				
Mitsuuuroko Group Holdings Co., Ltd.				X			
MJL Bangladesh Plc				X			
MMA Offshore Limited							X
MNRL Sub, Inc.		X	X				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
MO-BRUK SA				X			
MODEC, Inc.							X
MOL Group Finance SA		X	X				
MOL Hungarian Oil & Gas Plc		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..		X	X				
Motiva Enterprises LLC			X	X		X	
Motor Oil (Hellas) Corinth Refineries SA			X	X		X	
MPLX LP			X	X		X	
MSU Energy SA			X		X		
Murphy Oil Corporation		X	X				
Murphy Oil USA, Inc.				X			
Murphy USA Inc.				X			
Murray Energy Corporation		X	X				
MVV Energie AG				X			
Mytilineos Financial Partners SA			X	X	X		
Mytilineos SA			X	X	X		
Nabors Industries Ltd.							X
NACCO Industries, Inc.		X	X				
Naftogaz of Ukraine NJSC		X	X	X			
Naphtha Israel Petroleum Corp..		X	X				
National Company KazMunayGas JSC		X	X				
National Energy Services Reunited Corp.							X
National Fuel Gas Company		X	X	X			
National Gas & Industrialization.				X			X
National Gas Transmission PLC				X			
National Grid North America, Inc.				X			
National Grid Plc				X			
National Petroleum Co., Ltd.				X			
National Power Corp. (Philippines)			X		X		
National Refinery Ltd.			X			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		
Naturgy Finance BV			X	X	X		
Navigator Holdings Ltd.							X
Navios Maritime Acquisition Corporation							X
Navios South American Logistics, Inc.							X
Nayara Energy Ltd.			X			X	
NCS Multistage Holdings, Inc.							X
Nederlandse Gasunie NV				X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Neova Oy		X	X				
Neptune Energy Bondco Plc		X	X				
Neptune Energy Group Ltd.		X	X				
Neste Corp.			X	X		X	
NET4GAS sro				X			
NeuRizer Ltd			X			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.				X			
New Zealand Oil & Gas Limited		X	X				
Newcastle Coal Infrastructure Group Pty Ltd.							X
Newmed Energy LP		X	X				
NewOcean Energy Holdings				X			
Newpark Resources, Inc.							X
NextDecade Corporation				X			
NextEra Energy Capital Holding			X		X		
NextEra Energy Operating Partners LP				X			
NextEra Energy Partners, LP				X			
NexTier Oilfield Solutions Inc.							X
NGG Finance Plc				X			
NGL Energy Partners LP				X			
NGPL PipeCo LLC				X			
Niko Resources Ltd.		X	X				
Nine Energy Service, Inc.							X
Ningxia Baofeng Energy Group.,.			X			X	
Nippon Coke & Engineering Co.,.			X	X		X	
Nippon Express Holdings, Inc.				X			
Nippon Gas Co., Ltd. (8174)				X			
Nippon Sanso Holdings Corp.				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			X	
North Queensland Export Terminal Pty Ltd.							X
North West Redwater Partnership, Inc.			X			X	
Northern Drilling Ltd.							X
Northern Electric Finance Plc			X	X	X		
Northern Gas Networks Finance Plc				X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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		
Northwest Natural Gas Co.				X			
Northwest Natural Holding Co.				X			
Northwest Pipeline LLC				X			
NorthWestern Energy Group.			X	X	X		
Nostrum Oil & Gas Finance BV		X	X				
Nostrum Oil & Gas Plc		X	X				
NOV Inc.							X
Novatek Finance DAC		X	X				
NOVATEK JSC		X	X				
NRG Energy, Inc.			X		X		
NSG Holdings II LLC			X		X		
NTPC Limited			X		X		
NuStar Energy LP.				X			
NuStar Logistics LP				X			
Nuverra Environmental Solutions, Inc.							X
NuVista Energy Ltd.		X	X				
NV Energy, Inc.			X		X		
NWF Group Plc				X			
Oando Plc		X	X	X			
Obsidian Energy Ltd.		X	X				
Occidental Petroleum Corporation		X	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		
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			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Olympic Subsea KS							X
OMV AG		X	X				
OMV Petrom SA		X	X				
ONE Gas, Inc.				X			
ONEOK Partners LP			X	X		X	
ONEOK, Inc.			X	X		X	
ONGC Videsh Ltd.		X	X				
ONICO SA				X			
Ontario Power Generation, Inc.			X		X		
OPC Energy Ltd.			X		X		
OPE KAG Finance Sub, Inc.							X
Ophir Energy Ltd. (United Kingdom)		X	X				
OPUS GLOBAL Nyrt.				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	
ORLEN SA			X	X		X	
ORLEN Unipetrol as			X			X	
Orsknefteorgsintez PJSC			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 Inc.		X	X	X			
OW Bunker A/S				X			
PACC Offshore Services Holdings.							X
Pacific Drilling First Lien Escrow Issue							X
Pacific Drilling SA							X
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				
Panhandle Eastern Pipe Line Co.				X			
Panoche Energy Center LLC			X		X		
Panoro Energy ASA		X	X				
Pantheon Resources Plc		X	X				
Par Pacific Holdings, Inc.			X	X		X	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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			
Parkland Corporation							
Parsley Energy LLC		X	X				
Parsley Energy LP		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			X	
PBF Logistics LP				X			
PC Financial Partnership		X	X				
PDC Energy, Inc.		X	X				
Peabody Energy Australia PCI Pty.		X	X				
Peabody Energy Corporation		X	X				
PECO Energy Co.				X			
PEDEVCO Corp.		X	X				
Pembina Pipeline Corporation				X			
Pengrowth Energy Corporation		X	X				
Perak Transit Berhad				X			
Perdana Petroleum Bhd.							X
Perennial Energy Holdings Ltd.		X	X				
Permian Resources Corp.		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
Petroamazonas EP		X	X				
Petrobras Global Finance BV		X	X				
Petrobras International Finance Co.		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				
Petroleos de Venezuela SA		X	X				
Petroleos Del Peru - Petroperu SA			X			X	
Petroleos Mexicanos EPE		X	X				
Petrolia SE							X
Petroliam Nasional Bhd.		X	X				
Petrolina (Holdings) Public Ltd.				X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Petrolympic Ltd.	X						
Petron Corp.			X			X	
Petron Malaysia Refining & Marketing Bhd.			X			X	
PETRONAS Capital Ltd.		X	X				
PETRONAS Dagangan Berhad				X			
PETRONAS Gas Berhad			X	X	X	X	
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			X	X	X		
PGE Polska Grupa Energetyczna SA			X		X		
PGE Sweden AB			X		X		
PGNiG Finance AB		X	X	X	X		
PGS ASA							X
Pharos Energy Plc		X	X				
PHBS Ltd.				X			
PHI Aviation LLC							X
Phillips 66			X	X		X	
Phillips 66 Partners LP				X			
Phoenix Global Resources Plc		X	X				
PHX Minerals Inc.		X	X				
Ping Petroleum UK Plc		X	X				
Pingdingshan Tianan Coal Mining		X	X				
Pinnacle West Capital Corporation			X		X		
Pioneer Energy Services LLC							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			
PNM Resources, Inc.			X		X		
Polenergia SA				X			
Polskie Gornictwo Naftowe i Gazownictwo SA		X	X	X	X		
Polytec Asset Holdings Limited		X	X				
Portland General Electric Company			X		X		



Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
POSCO Future M Co., Ltd.							
Power Assets Holdings Limited			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			X	
Press Corporation Plc				X			
Prima Marine Public Company Limited							X
PrimeEnergy Resources Corporation		X	X				X
PRIO 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				
PT Adaro Indonesia		X	X				
PT Adaro Minerals Indonesia		X	X				
PT AKR Corporindo Tbk				X			
PT Alfa Energi Investama Tbk		X	X				
PT Astra International Tbk		X	X				X
PT Bayan Resources Tbk		X	X				
PT Berau Coal Energy		X	X				
PT Borneo Lumbang 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				
PT Elnusa Tbk				X			X
PT Energi Mega Persada Tbk		X	X				
PT ESSA Industries Indonesia			X			X	
PT Golden Eagle Energy TBK		X	X				
PT Golden Energy Mines Tbk		X	X				
PT Harum Energy Tbk		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				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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 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				
PTT Global Chemical Plc			X			X	
PTT Oil and Retail Business Public Company Limited				X			
PTT Public Co., Ltd.		X	X				
PTTEP Canada International Finance Ltd.		X	X				
PTTEP Treasury Center Co., Ltd.		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			
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			X	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			X			X	
Raffinerie Heide GmbH			X			X	
Raizen Energia SA				X			
Raizen Fuels Finance SA				X			
Raizen SA (Brazil)				X			
RAK Petroleum Plc		X	X				
Ramaco Resources, Inc.		X	X				
Range Resources Corporation		X	X	X			
Ranger Energy Services, Inc.							X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Ranger Oil Corporation		X	X				
Ranhill Utilities Bhd.			X		X		
RATCH Group Public Company Limited			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 SA				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			X	
Reliance Infrastructure Limited			X		X		
Reliance Power Limited			X		X		
REN Finance BV				X			
Repsol International Finance BV		X	X				
Repsol SA		X	X				
Rex Energy Corp.		X	X				
Rex International Holding Limited		X	X				
RGC Resources, Inc.				X			
Rhino Resource Partners LP		X	X				
Ridgebury Crude Tankers LLC							X
Riley Exploration Permian, Inc.		X	X				
Ring Energy, Inc.		X	X				
Riviera Resources, Inc.		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				X			
Rompetroil Rafinare SA			X			X	
Rosehill Resources Inc.		X	X				
Rosneft Finance SA		X	X				
Rosneft International Finance Ltd.		X	X				
ROSNEFT International Ltd.		X	X				
Rosneft Oil Co.		X	X				
Rowan Cos. LLC							X
Royal Vopak NV				X			
Royale Energy, Inc.		X	X				
RPC, Inc.							X
RS Energy KK			X			X	
Rubis Energy Kenya Plc				X			
Rubis SCA			X	X		X	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Ruby Pipeline LLC				X			
Ruwais Power Co. PJSC			X		X		
RWE AG			X	X	X		
S.D. Standard ETC Plc							X
S.N.G.N. Romgaz SA		X	X		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			
San Diego Gas & Electric Co.			X	X	X		
San Leon Energy Plc		X	X				
San Miguel Corporation			X		X	X	
SAN-AI OBBLI Co., Ltd.				X			
SandRidge Energy, Inc.		X	X				
Sanjel Corp.							X
Santos Finance Ltd.		X	X				
Santos Limited		X	X				
Sapura Energy Berhad		X	X				X
Saras SPA			X	X	X	X	
Saratov Oil & Refinery PJSC			X			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			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
SCE Recovery Funding LLC			X		X		
Schahin II Finance Co. (SPV) Ltd.		X	X				
Schlumberger Finance BV							X
Schlumberger Finance Canada							X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Schlumberger Finance France SAS							X
Schlumberger Holdings Corp.							X
Schlumberger Investment SA							X
Schlumberger N.V.							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
SeaBird Exploration Plc							X
SEACOR Marine Holdings Inc.							X
Seacrest Petroleo 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		
SemGroup, LLC				X			
Semirara Mining & Power Corp.		X	X		X		
Sempra			X	X	X		
Senex Energy Pty Ltd		X	X				
Seobu T&D Co., Ltd.				X			
SEOUL CITY GAS CO., LTD.				X			
Seplat Energy Plc		X	X				
Serba Dinamik Holdings Bhd.							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				
Shan Xi Hua Yang Group New Energy Co. Ltd.		X	X				
Shandong Energy Australia Pty	X						
Shandong Energy Group Co., Ltd.		X	X	X		X	
Shandong Xinchao Energy Corp		X	X				
Shanghai Datun Energy Resources		X	X		X		
Shanghai Dazhong Public Utilities (Group) Co., Ltd.				X			
Shanghai Electric Power			X		X		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Shanxi Coal International Energy Group.		X	X	X			
Shanxi Coking Coal Energy Group		X	X		X	X	
Shanxi Guoxin Energy Corp				X			
Shanxi Lanhua Sci-Tech Venture		X	X				
Shanxi Lu'An Environmental Energy Development Co., Ltd.		X	X			X	
Shanxi Meijin Energy Co., Ltd.			X			X	
Shelf Drilling Holdings Ltd.							X
Shelf Drilling							X
Shell Finance (Netherlands) BV		X	X				
Shell International Finance BV		X	X				
Shell Midstream Partners LP				X			
Shell Oman Marketing				X			
Shell Pakistan				X			
Shell Pilipinas Corporation				X			
Shell Plc		X	X				
Shenergy Co			X	X	X		
Shenzhen Energy Group Co., Ltd.			X	X	X		
Shenzhen Gas Corp. Ltd.				X			X
Shenzhen Nanshan Power			X		X		
Sherritt International Corporation							
Shikoku Electric Power			X		X		
Shizuoka Gas			X	X	X		
Shougang Fushan Resources Group		X	X				
Shaanxi Coal Industry		X	X	X			
Siamgas and Petrochemicals Public Company Limited				X			
SIBUR Holding JSC			X			X	
SIBUR Securities DAC			X			X	
Sichuan Expressway Company Limited				X			
Sidewinder Drilling LLC							X
Siem Offshore AS							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		X	X			X	
Sinopec Capital Co., Ltd.		X	X				
Sinopec Group Overseas Development (2012)		X	X				
Sinopec Group Overseas Development (2013)		X	X				
Sinopec Group Overseas Development (2014)		X	X				
Sinopec Group Overseas Development (2015)		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				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
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				
SK Discovery Co. Ltd.				X			
SK E&S Co., Ltd.			X	X	X		
SK Gas Co., Ltd.				X			
SK Innovation Co., Ltd.			X			X	
SK, Inc.			X			X	
Slavneft-Yaroslavnfteorgsintez PJSC			X			X	
Slovensky plynarensky Priemysel				X			
Slovnaft AS			X			X	
SM Energy Company		X	X				
Smart Sand, Inc.							X
SMC Global Power Holdings			X		X		
SNAM SpA				X			
S-Oil Corp.			X			X	
Sojitz Corp.							
Solaris Midstream Holdings LLC							X
Solaris Oilfield Infrastructure							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				
South32 Treasury Ltd.		X	X				
Southern California Edison Co.			X		X		
Southern California Gas Co.				X			
Southern Company Gas				X			
Southern Company Gas Capital				X			
Southern Gas Corridor CJSC		X	X	X			
Southern Gas Networks Plc				X			
Southern Kuzbass Coal Co. PJSC		X	X				
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
Southwest Gas Holdings, Inc.							
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				
Spectra Energy Partners LP				X			
SPIC 2016 US Dollar Bond Co. Ltd.			X		X		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
SPIC 2018 USD Senior Perpetual Bond Co. Ltd.			X		X		
SPIC Luxembourg Latin America Renewable Energy Investment Co.			X		X		
Spindletop Oil & Gas Co.		X	X				
Spire Inc.				X			
SPP - distribucia as				X			
SPP Infrastructure Financing BV				X			
SPR Finance Corp.		X	X				
SPT Energy Group, Inc.							X
St 1 Nordic Oy			X			X	
Stanmore Resources Limited		X	X				
Star Energy Group Plc		X	X				
Star Group LP				X			
Star Petroleum Refining Public Company Limited			X			X	
State Oil Company of Azerbaijan Republic		X	X				
State Power Investment Corp			X		X		
STEAG GmbH			X	X	X		
Stedin Holding NV				X			
Stena Metall AB				X			
Stena Metall Finans AB				X			
Stoneway Capital Corp.			X		X		
Storm Resources Ltd.		X	X				
Strad Inc.							X
Strata Power Corp.		X	X				
Strathcona Resources Ltd.		X	X				
Strike Energy Limited	X						
Strong Petrochemical Holdings				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			
Summit Midstream Holdings LLC				X			
Summit Midstream Partners, LP				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			
Superior Plus LP				X			
Surge Energy Inc.		X	X				



Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Surgutneftegas PJSC		X	X				
SUSCO Public Company Limited				X			
Taiheiyō Kouhatsu Inc.				X			
Taiwan Cement Corp.			X		X		
Taiwan Cogeneration Corp.			X		X		X
Taki Chemical Co., Ltd.				X			
Talen Energy Corp.			X		X		
Talen Energy Supply LLC			X		X		
Talent Yield (Euro) Ltd.				X			
Talent Yield (Euro) Ltd.							
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	X		
Tapstone Energy LLC		X	X				
Targa Pipeline Finance Corp.			X	X		X	
Targa Resources Corp.			X	X		X	
Targa Resources Partners Finance Corp.			X	X		X	
Targa Resources Partners LP			X	X		X	
Tatneft PJSC		X	X				
Tauron Polska Energia SA			X		X		
TBEA Co., Ltd.		X	X				
TC Energy Corporation				X			
TC PipeLines, LP				X			
Technip Energies NV							X
TechnipFMC plc							X
Teck Resources Limited		X	X				
Tecnicas Reunidas SA							X
TECO Energy, Inc.			X	X	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		
Terega SA				X			
Terega SAS				X			
Termocandelaria Power SA			X		X		
TerraCom Limited		X	X				
Territorial Generating Co. No 1			X		X		
Tervita Corporation			X			X	X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Tesoro Logistics Finance Corp.			X	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			X		X		
The Drilling Company of 1972							X
The East Ohio Gas Co.				X			
The Great Taipei Gas Corp.				X			
The Hong Kong and China Gas Company Limited				X			X
The Hub Power Co. Ltd.			X		X		
The Kansai Electric Power			X	X	X		
The Kenan Advantage Group, Inc.							X
The Lanna Resources Public Co.		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			X		X		
The Power & Water Utility Co. for Jubail & Yanbu			X		X		
The Second Generation Co of the Wholesale Power Market PJSC			X		X		
The Southern Company			X	X	X		
The Tata Power Company			X		X		
The Williams Companies				X			
Third Coast Midstream LLC				X			
Thunderbird Resources Equity		X	X				
Thungela Resources Ltd.		X	X				
Tian Lun Gas Holdings Limited				X			
Tiandi Science & Technology Co		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 Ltd.							X
TNB Global Ventures Capital Bhd.			X		X		
Toa Oil Co., Ltd.			X		X	X	
TOELL Co., Ltd.				X			
TOHO GAS Co., Ltd.				X			
Tohoku Electric Power Co., Inc.			X		X		
TOKAI Holdings Corp.				X			
Tokyo Electric Power Co. Holdings, Inc.			X		X		
Tokyo Gas Co., Ltd.			X	X	X		X
Top Frontier Investment Holdings, Inc.			X		X	X	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Topaz Energy Corp.		X	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		X	X				
TotalEnergies Capital International SA		X	X				
TotalEnergies Capital SA		X	X				
TotalEnergies Marketing Kenya				X			
TotalEnergies Marketing Maroc SA				X			
TotalEnergies SE		X	X				
Touchstone Exploration Inc.		X	X				
Tourmaline Oil Corp.		X	X				
Towngas Finance Ltd.				X			X
Towngas Smart Energy Company				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			
TransCanada Trust				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				X			
Transportadora de Gas del Peru				X			
Transportadora de Gas del Sur			X	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				

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
TriSummit Utilities Inc.				X			
Tsakos Energy Navigation							X
Tucson Electric Power Co., Inc.			X		X		
Tulip Oil Netherlands Offshore		X	X				
Tullow Oil Plc		X	X				
Turcas Petrol AS			X	X	X		
Türkiye Petrol Rafinerileri AS			X			X	
U.S. ENERGY CORP.		X	X				
U.S. Silica Holdings, Inc.							X
U.S. Well Services Holdings LLC							X
UBE Corp.							
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		
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			X	
United Strength Power Holdings				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			
Valero Energy Corporation			X			X	
Valero Energy Partners LP				X			X
Valeura Energy Inc.	X						
Vallourec SA							X
Vantage Drilling Co.							X
Vantage Drilling International							X
Var Energi ASA		X	X				
Vattenfall AB			X	X	X		
Vector Limited				X			
Vectren Corp.			X	X	X		
Vedanta Limited		X	X				
Vedanta Resources Finance II		X	X				
Vedanta Resources Jersey Ltd.		X	X				
Vedanta Resources Ltd.		X	X				
Velesto Energy Berhad							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		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Vietnam National Petroleum Corp.				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		
Vistra Corp.			X		X		
Vistra Operations Co. LLC			X		X		
Vital Energy, Inc.		X	X	X			
Vitesse Energy, Inc.		X	X				
Viva Energy Group Ltd.			X	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				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			X	X		X	
Western Midstream Partners				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			X		X		
White Energy Company Limited							X
White Star Petroleum LLC			X				
Whitcap Resources Inc.		X	X				
Whitehaven Coal Limited		X	X	X			
Wintershall Dea AG		X	X	X			
Wintershall Dea Finance 2 BV		X	X	X			
Wintershall Dea Finance BV		X	X	X			
Wintershall Dea International GmbH		X	X	X			
Wintime Energy Group Co., Ltd.		X	X	X	X		
Wisconsin Electric Power Company			X	X	X		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Refining	Services
Wisconsin Power & Light Co.			X	X	X		
Wisconsin Public Service Corp.			X	X	X		
Wiscon Engineering Services Co							X
Wollongong Coal Limited		X	X				
Woodside Energy Group Ltd.		X	X				
Woodside Finance Ltd.		X	X				
World Kinect Corporation				X			
WPX Energy, Inc.		X	X				
Wuchan Zhongda Group Co., Ltd.				X			
XCD Energy Limited	X						
Xcel Energy Inc.			X	X	X		
Xiangcai Co., Ltd.				X			
Xinjiang Guanghui Industry Investment (Group) Co., Ltd.		X	X	X			
Yanchang Petroleum International Limited				X			
Yancoal Australia Ltd.		X	X				
Yancoal International Resources Development Co., Ltd.		X	X	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			
Yinson Holdings Berhad							X
Yorkshire Power Finance Ltd.		X	X				
YPF Energia Electrica SA			X		X		
YPF SA		X	X				
YTL Corporation Berhad			X		X		
YTL Power International Berhad			X		X		
Yuan Heng Gas Holdings Limited				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			X	X	X		
Zhengzhou Coal Industry & Electric Power		X	X				
Zhongrong Xinda Group			X	X		X	
Zhongyu Energy Holdings Limited				X			
Zhuhai Holdings Investment Group				X			
Zion Oil & Gas, Inc.	X						
Zorlu Enerji Elektrik Uretim AS				X			
AAG Energy Holdings		X	X				
<b>Total excluded companies</b>	<b>25</b>	<b>707</b>	<b>1244</b>	<b>713</b>	<b>422</b>	<b>168</b>	<b>402</b>

## Fossil Fuel Transition Cases

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

E.ON SE
EDP-Energias de Portugal SA
EnBW Energie Baden Wuerttemberg AG
Endesa SA
Enel Chile
Enel SpA
Exelon Corporation
Fortum Oyj
Iberdrola SA
NextEra Energy, Inc
Orsted A/S
SSE Plc

## Controversial Weapons

Controversial weapons include the following: Anti-personnel mines, biological weapons, Chemical weapons, Cluster munition, Nuclear weapons outside the Non-Proliferation Treaty, Depleted uranium ammunition and armor, Incendiary weapons, White phosphorus weapons

The weapons are considered controversial as their production and use are assessed to be in conflict with the prohibitions set out in international conventions.

Controversial Weapons						
Company	Anti-personnel mines	Cluster munition	Depleted uranium ammunition and armor	Nuclear weapons outside the Non-Proliferation Treaty	White phosphorus weapons	Nuclear weapons
Aerojet Rocketdyne Holdings.			X			X
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	X				
Ashoka Manufacturing Ltd	X					
Avibras Industria Aeroespacial SA		X				
BAE Systems (Finance)					X	X
BAE Systems Plc					X	X
Bayer AG					X	
Bayer Capital Corp.					X	
Bayer Capital Corp. BV					X	
Bayer US Finance II LLC					X	
Bayer US Finance LLC					X	
Belspetsvneshtekhnika		X				
Bharat Dynamics Limited		X		X		
China Aerospace Science & Industry Corp. Ltd.		X				
China Aerospace Science & Technology Corp.		X				X
China North Industries Corp.	X	X				
China North Industries Group Corp. Ltd.	X	X				
China Poly Group Corp		X				
China Poly Group Corp		X				
DAIKIN INDUSTRIES Ltd.					X	
Day & Zimmerman Group Inc	X	X	X	X		

Controversial Weapons						
Company	Anti-personnel mines	Cluster munition	Depleted uranium ammunition and armour	Nuclear weapons outside the Non-Proliferation Treaty	White phosphorus weapons	Nuclear weapons
Defence Industries Organization Training & Research Institute	X					
Economic Explosives Ltd.		X				
Esterline Technologies			X			
General Dynamics Corporation			X		X	X
General Dynamics Ordnance & Tactical Systems, Inc.			X			
Howa Machinery, Ltd.					X	
ICL Group Ltd.					X	
Israel Corp. Ltd.					X	
JBJ Technologies Ltd.	X					
JMV LPS Ltd.	X					
Komatsu Ltd.					X	
KSB Limited				X		
KSB SE & Co. KGaA				X		
L3 Technologies, Inc.					X	X
L3Harris Technologies,			X		X	X
Larsen & Toubro Limited				X		
LIG Corp.		X				
LIG Nex1 Co., Ltd.		X				
Lockheed Martin Corporation	X	X				X
Monsanto Co.					X	
MTAR Technologies Ltd.				X		
Northrop Grumman Corporation			X			X
Northrop Grumman Systems Corp.			X			X
Ordtch Military Industries		X				
Pakistan Ordnance Factories	X					
Poongsan Corp.		X				
POONGSAN HOLDINGS Corp.		X				
Premier Explosives Ltd.	X			X		
Reshef Technologies Ltd	X	X				
Rheinmetall AG			X		X	
Rostec State Corp	X	X				
Sandhar Technologies Limited	X					
SNT DYNAMICS Co., Ltd.	X					
SNT Holdings Co., Ltd.	X					
Solar Industries India Limited		X				
Special Machine Building & Metallurgy PJSC		X				
Synthetic Moulders Ltd.	X					
TA Mfg Ltd.			X			
TransDigm Group Incorporated			X			
TransDigm, Inc.			X			
Walchandnagar Industries.				X		
<b>Total excluded companies</b>	<b>17</b>	<b>26</b>	<b>12</b>	<b>8</b>	<b>17</b>	<b>10</b>



## 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'.

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		
Bellatora, Inc.	X		
British American Tobacco	X		
British American Tobacco Argentina SAICy F	X		
British American Tobacco Australasia 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		
British American Tobacco Zimbabwe Ltd.	X		
Bulgartabac Holding AD	X		
Carreras Ltd.		X	
Cat Loi JSC			X
Ceylon Tobacco Company Plc	X		
China Boton Group Co., Ltd.			X
China Tobacco International (HK) Company Limited		X	
Coka Duvanska Industrija AD	X		
Consolidated Cigar Holdings, Inc.	X		
CTO Company Ltd.	X		
Dupnitsa-Tabak AD	X		
Duvanska Industrija AD Bujanovac	X		X
Duvanski Kombinat ad Podgorica	X		
Eastern Co. (Egypt)	X		
Gemini Group Global Corp.	X		
Gilla, Inc.			X
Godfrey Phillips India Ltd.	X		
Golden Tobacco Ltd.	X		
Greenlane Holdings, Inc.		X	
Guangdong DFP New Material Group Co., Ltd.			X
Guangdong New Grand Long Packing Co., Ltd.			X
Harrys Manufacturing Inc.	X		

Tobacco Company	Production	Distribution	Services
Hrvatski Duhani dd	X		
Huabao International Holdings Limited			X
Icon Vapor, Inc.		X	
IMA T&T SpA			X
Imasco Ltd.	X		
Imperial Brands Finance Netherlands BV	X	X	
Imperial Brands Finance Plc	X	X	
Imperial Brands plc	X	X	
Ispire Technology, Inc.	X		
ITC Limited	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		
Mativ Holdings, Inc.			X
Ngan Son JSC	X		
Nikotiana BT Holding AD	X		
North Atlantic Trading Co., Inc.	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		
PT Hanjaya Mandala Sampoerna Tbk	X		
PT Indonesian Tobacco Tbk	X		
PT Wismilak Inti Makmur Tbk	X		X
Pyxus International, Inc.	X		
R.J. Reynolds Tobacco Holdings, Inc.	X		
Reynolds American, Inc.	X		
RLX Technology, Inc.	X		
Rothmans Industries Pte Ltd.	X		
Scandinavian Tobacco Group A/S	X		
Shanghai Industrial Holdings Limited	X		
Shanghai Shunho New Materials Technology Co., Ltd.			X
Shenzhen Jinjia Group Co., Ltd.	X		X
Shumen Tabac AD	X		
Shaanxi Jinye Science Technology & Education Group Co., Ltd.			X
Sila Holding AD	X		
Sinnar Bidi Udyog Ltd.	X		
SITAB	X		
Slantse Stara Zagora Tabac AD	X		
Smoore International Holdings Ltd.	X		X
Societe Nationale d'exploitation Industrielle des Tabacs	X		
Souza Cruz Ltda.	X		
Standard Diversified, Inc.	X	X	
Strumica Tabak AD	X		
Swan Group of Cos., Inc.	X		
Swedish Match Ab	X		

Tobacco Company	Production	Distribution	Services
Tanzania Cigarette Co. Ltd.	X		
TSL Ltd.		X	X
Turning Point Brands, Inc.	X	X	X
Tutunski Kombinat AD Prilep	X		
Union Investment Corp.	X		
Union Tobacco & Cigarette Industries Co.	X		
Universal Corporation	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		
<b>Total excluded companies</b>	<b>104</b>	<b>15</b>	<b>19</b>

## 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.

Alcohol Company	Production	Distribution	Services
"Bihacka pivovara" d.d. Bihac	X		
13. Jul-Plantaze AD	X		
Abrau-Durso PJSC	X		
Adnams Plc	X	X	
ADVADIS SA		X	
AdVini SA	X		
African Distillers Ltd.	X		
AG Anadolu Grubu Holding AS	X		
Ajecorp B.V.	X		
Aktienbrauerei Kaufbeuren AG	X		
Alcanna Inc.		X	
Allgaeuer Brauhaus AG	X	X	X
Alliance Global Group Cayman Islands, Inc.	X		
Alliance Global Group, Inc.	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		
Aseed Holdings Co., Ltd.	X		
Associated Alcohols & Breweries Ltd.	X		
Australian Vintage Ltd.	X		
Bacardi & Co. Ltd.	X		

Alcohol Company	Production	Distribution	Services
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		
Beijing Enterprises Holdings Limited	X		
Beijing Shunxin Agriculture Co., Ltd.	X		
Beijing Yanjing Brewery Co., Ltd.	X		
Berentzen-Gruppe AG	X		
Bermas SA	X		
Bevco Lux SARL	X		
Beverages & More, Inc.		X	
BHB Brauholding Bayern-Mitte AG	X		
Big Rock Brewery Inc.	X		
BJ's Restaurants, Inc.	X	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 Czarnkow SA	X		
Brown-Forman Corporation	X		
Budweiser Brewing Company APAC Limited	X		
C&C Group plc	X	X	
C.A. Ron Santa Teresa	X		
Cairns Holdings Ltd.	X		
Capevin Holdings Ltd.	X		
Carlsberg A/S	X		
Carlsberg Breweries A/S	X		
Carlsberg Brewery Malaysia Berhad	X		
Carlsberg Ukraine PJSC	X		
Carolina Beverage Group LLC	X		X
Carson Cumberbatch PLC	X		
Casa Grande SAA			X
Castle Brands, Inc.	X		
CEDC Finance Corp. International, Inc.	X	X	
Central Azucarera de Tarlac, Inc.			X
Cerveceria Nacional	X		
Cerveceria Nacional Dominicana SA	X		
Cerveceria San Juan SA	X		
Ceylon Beverage Holdings PLC	X		
CFAO Group			
Champion Breweries Plc	X		
Chapel Down Group Plc	X		
Chester Downs & Marina LLC		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		
Christian Dior SE	X		
Cia Vinicola del Norte de Espana SA	X		
CIMC Enric Holdings Limited			X
CITIC Niya Wine Co., Ltd.	X		
CK Life Sciences International (Holdings), Inc.		X	
Coca-Cola Europacific Partners API Pty Ltd.	X		
Compania Cervecerias Unidas SA	X		

Alcohol Company	Production	Distribution	Services
Compania Electro Metalurgica SA	X		X
Company Group ALITA AB	X		
CONSTELLATION BRANDS, INC.	X		
Coop Genossenschaft		X	
Coop-Gruppe Genossenschaft	X		
Corby Spirit and Wine Limited	X	X	
Corporacion Economica Delta SA	X		
Cosco Capital, Inc.		X	
Craft Brew Alliance, Inc.	X		
Crimson Wine Group, Ltd.	X		
Cristalerias de Chile SA	X		X
Dahu Aquaculture Co., Ltd.	X		
Daniel Thwaites plc	X		
Davide Campari-Milano NV	X		
DCM Shriram Industries Ltd.			X
Delegat Group Limited	X		
Delta Corporation Limited	X		
DeTai New Energy Group 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		
Drinks Americas Holdings Ltd.		X	
Dynasty Fine Wines Group Limited	X		
E.I.D.-Parry (India) Limited	X		
East African Breweries Ltd.	X		
Eastside Distilling, Inc.	X		X
Ei Group Ltd.		X	
Einbecker Brauhaus AG	X		
Empee Distilleries Ltd.	X		
Emperador, Inc.	X		
Empire Company Limited		X	
Endeavour Group Ltd. (Australia)	X	X	X
Eumundi Group Limited		X	
FBG Finance Pty. Ltd.	X		
Flanigan's Enterprises, Inc.		X	
Florida Ice & Farm Co. SA	X		
Foley Wines Limited	X		
Foster's Group Pty Ltd.	X		
Fujian Yanjing Huiquan Brewery Co., Ltd.	X		
Full House Resorts, Inc.		X	
Fuller, Smith & Turner Plc		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		
Global Hydrogen SA	X		
Globus Spirits Limited	X		
Golden Entertainment, Inc.			
Golden Guinea Breweries Plc	X		
Goldin Financial Holdings Limited	X		
Good Drinks Australia Ltd.	X		
Greene King Ltd.	X	X	

Alcohol Company	Production	Distribution	Services
Grupa Zywiec SA	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		
Harbin Churin Group Jointstock Co., Ltd.	X		
Harboes Bryggeri A/S	X		
Hartwall Oy Ab	X		
Hawesko Holding SE		X	
Heavitree Brewery plc		X	
Hebei Hengshui Laobaigan Liquor Co., Ltd.	X		
Heineken Holding NV	X		
Heineken Malaysia Berhad	X		
Heineken NV	X		
Helens International Holdings Co., Ltd.	X	X	
Hexza Corporation Berhad			
Hey-Song Corp.		X	
HITEJINRO Co., Ltd.	X		
HiteJinro Holdings Co., Ltd.	X		
Hub Co., Ltd.		X	
IFB Agro Industries Ltd.	X		
Indage Vintners Ltd.	X		
India Glycols Limited	X		
International Breweries PLC	X		
Italian Wine Brands SpA	X		
Jagatjit Industries Limited	X		X
Japan Foods Co., Ltd.	X		
JD Wetherspoon Plc		X	
Jiangsu King's Luck Brewery Joint-stock Co., Ltd.	X		
Jiangsu Yanghe Brewery Joint-Stock 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		
Kesar Enterprises Ltd.	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
Ktima Kostas Lazaridis SA	X		
Kuajishan 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		X
Lark Distilling Co. Ltd.	X		
Laurent-Perrier SA	X		
Life Intelligent Enterprise Holdings Co., Ltd.	X	X	
Lion Brewery (Ceylon) PLC	X		

Alcohol Company	Production	Distribution	Services
Lombard & Medot	X		
Lomsko Pivo AD	X		
Lotte Chilsung Beverage Co., Ltd.	X		
Lotte Corp.	X		
LT Group, Inc.	X		
Lucas Bols NV	X		
Luzhou Laojiao Co., Ltd.	X		
LVMH Moet Hennessy Louis Vuitton SE	X		
Mackmyra Svensk Whisky AB	X		
Madison Holdings Group Limited		X	
MAJOR HOLDINGS LIMITED		X	
Malteries Franco-Belges			X
Marani Brands, Inc.		X	
Maraska dd	X		
Marie Brizard Wine & Spirits SA	X		
Marlborough Wine Estates Group Ltd.	X		X
Marston's plc		X	
Masan Group Corporation	X		
Masi Agricola SpA	X		
Mastro's Restaurants LLC		X	
Mega Advance Investments Ltd.	X		
Melstacorp PLC	X		
Mendocino Brewing Co., Inc.	X		
Metcash Limited		X	
MGM Resorts International		X	
MGP Ingredients, Inc.	X		
MH ETHANOL Co., Ltd.			X
Mitchells & Butlers plc		X	
Molson Coors Beverage Company	X		
Molson Coors Canada Inc.	X		
Monarch Casino & Resort, Inc.		X	
Moninger Holding AG	X		
Montalvo Spirits, Inc.	X		
Mount Shivalik Industries Ltd.	X		
Muhak Co., Ltd.	X		
Murree Brewery Co., Ltd.	X		
Naked Wines Plc		X	
Namchow Holdings Co., Ltd.			
Namibia Breweries Ltd.	X		
National Breweries PLC	X		
New Silkroad Culturaltainment Ltd.	X		
Nigerian Breweries Plc	X		
NoHo Partners Oyj		X	
Novabev Group	X	X	
Oenon Holdings, Inc.	X		X
Olvi Oyj	X		
Orpar SA	X		
Ottakringer Getraenke AG	X	X	
Palaios Oinoi Naousis Holdings & Investment SA	X		
Park & Bellheimer AG	X		
Pernod Ricard Finance SA	X		
Pernod Ricard SA	X		
Phoenix Beverages Limited	X		
Piccadilly Agro Industries Ltd.	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		

Alcohol Company	Production	Distribution	Services
Pol Roger et Cie SA	X		
Prilepska Pivarnica AD	X		
Prodvinaco SA	X		
PT Delta Djakarta Tbk	X		
PT Multi Bintang Indonesia Tbk	X		
Punch Taverns Finance Plc		X	
Punch Taverns Ltd.		X	
Pungguk Ethanol Co., Ltd.			X
Purcari Wineries Public Co., Ltd.	X		
Qinghai Huzhu TianYouDe Highland Barley Spirit Co.	X	X	
Radico Khaitan Limited	X		
Rana Sugars Ltd.			X
Raphael Michel SA	X		
Ravikumar Distilleries Ltd.	X		
RCI Hospitality Holdings, Inc.		X	
Red Rock Resorts, Inc.		X	
Redcape Hotel Group Management Ltd.	X	X	
Remgro Ltd.	X		
Remy Cointreau SA	X		
Revolution Bars Group plc		X	
Rocky Mountain Liquor Inc.		X	
ROK Stars Ltd.	X		
Roust Corp.	X	X	
Royal Swaziland Sugar Corp. Ltd.			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		
San Miguel Corporation	X		
San Miguel Food & Beverage, Inc.	X	X	
Sapporo Holdings Ltd.	X		
Sarajevska Pivara dd	X		
Savor Limited		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		
Shanghai Join Buy Co., Ltd.		X	
Shanxi Xinghuacun Fen Wine Factory Co., Ltd.	X		
Shede Spirits Co., Ltd.	X		
Shepherd Neame Ltd.	X	X	
Shoprite Holdings Ltd.		X	
Sichuan Swellfun Co., Ltd.	X		
Silver Base Group Holdings Limited		X	
Silver Oak (India) Ltd.	X		
Simbhaoli Sugars Ltd.	X		X
Simonds Farsons Cisk Plc	X	X	
Sociedad Agricola La Rosa Sofruco SA	X		
Societe Commerciale de Brasserie SA	X		
Societe de Fabrication de Boissons de Tunisie SA	X		
Societe des Boissons du Maroc SA	X		
Societe des Brasseries de l'Ouest Africain	X		
Societe Fermiere du Casino Municipal de Cannes SA		X	
SOLIBRA SA	X		
SOM DISTILLERIES & BREWERIES LIMITED	X		
Stadlauer Malzfabrik AG			X



Alcohol Company	Production	Distribution	Services
Stock Spirits Group Ltd.	X		
Stonegate Pub Co. Ltd.		X	
Stonegate Pub Company Financing Plc		X	
Suntory Holdings Ltd.	X		
Takara Holdings, Inc.	X		
Talent Yield (Euro) Ltd.	X		
Talent Yield Investments Ltd.	X		
Tanzania Breweries Ltd.	X		
Tenwow International Holdings Ltd.	X	X	
Terra Mauricia Ltd.	X	X	
Thai Beverage Public Company Limited	X		
Thang Long Wine JSC	X		
The Boston Beer Company, Inc.	X		
The Brighton Pier Group PLC		X	
The Duckhorn Portfolio, Inc.	X		
The Ugar Sugar Works Ltd.	X		
Thiru Arooran Sugars Ltd.			X
Tibet Development Co., Ltd.	X		
Tibet Water Resources Ltd.	X		
Tilaknagar Industries Ltd.	X		
Tilray Brands, Inc.	X		
Todoroff AD	X		
Tonghua Grape Wine Co., Ltd.	X	X	
Top Frontier Investment Holdings, Inc.	X		
Treasury Wine Estates Limited	X		
Triveni Engineering & Industries Ltd.			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	X	X
Vinzavod Asenovgrad AD	X		
Vranken-Pommery Monopole SA	X		
Waterloo Brewing Ltd.	X		
Watt's SA	X		
Willamette Valley Vineyards, Inc.	X		
Wuliangye Yibin Co., Ltd.	X		
Xinjiang Yilite Industry Co., Ltd.	X		
Yamae Group Holdings Co., Ltd.		X	
Yamaehisano Co., Ltd.	X		
Yamaya Corp.	X	X	
Yantai ChangYu Pioneer Wine Co., Ltd.	X		
Yomeishu Seizo Co., Ltd.	X		
Young & Co.'s Brewery Plc		X	
Zambian Breweries PLC	X		
Zavod Soloda i Piva OJSC	X		
Zhejiang Guyuelongshan Shaoxing Wine Co., Ltd.	X		
ZJLD Group, Inc.	X		

Alcohol Company	Production	Distribution	Services
Zwack Unicum Nyrt.	X	X	
<b>Total excluded companies</b>	<b>329</b>	<b>72</b>	<b>29</b>

## 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.

Gambling Company	Production	Distribution	Services
(I.Z.) Queenco Ltd.	X		
32Red Ltd.	X		
365 Media Group Ltd.	X		
888 Holdings Plc	X		
Accel Entertainment, Inc.	X		
Acroud AB			X
Affinity Gaming Finance Corp.	X		
Affinity Gaming, LLC	X		
AG&E Holdings, Inc.			X
AGTech Holdings Limited		X	X
Ainsworth Game Technology Ltd.			X
Alliance Global Group Cayman Islands, Inc.	X		
Alliance Global Group, Inc.	X		
Allwyn International as	X		
American Casino & Entertainment Properties LLC	X		
Angler Gaming plc	X		
Aristocrat Leisure Limited			X
Aspire Global plc			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		
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
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		

Gambling Company	Production	Distribution	Services
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		
Contagious Gaming Inc.			X
Crazy Sports Group Limited			X
CRC Escrow Issuer LLC	X		
Crown Resorts Limited	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		
Eldorado Resorts LLC	X		
Elay 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		
Evergreen Gaming Corporation	X		
Everi Games Holding, Inc.			X
Everi Holdings, Inc.			X
Everi Payments, Inc.			X
Evolution AB			X
Fable Media Group AB			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 Ltd.			X
Gamecard-Joyco Holdings, Inc.			X
Gamehost Inc.	X		
Gamenet SpA	X		
Gamesys Group Ltd.	X		

Gambling Company	Production	Distribution	Services
Gaming Corps AB			X
Gaming Innovation Group, Inc.			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		
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		
Grand Korea Leisure Co., Ltd.	X		
Grand Parade Investments Ltd.	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
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
La Francaise des Jeux SA	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		
Lasseters International Holdings Ltd.	X		
LeoVegas AB	X		
LHMC Finco 2 SARL	X		

Gambling Company	Production	Distribution	Services
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
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		
Mohegan Gaming & Entertainment	X		
Monarch Casino & Resort, Inc.	X		
Monte-Carlo Societe des Bains de Mer SA	X		
Mr Green & Co. AB	X		
NagaCorp Ltd.	X		
NeoGames SA			X
Net Holding AS	X		
NetEnt AB			X
NetPlay TV Ltd.	X		
Nevada Gold & Casinos, Inc.	X		
Newbury Racecourse Plc	X		
Nexseq Plc			X
Niraku GC Holdings, Inc.	X		
Novomatic AG	X		X
Odyssey Europe Holdco SARL	X		
OIZUMI CORP.			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		
Philweb Corporation	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

Gambling Company	Production	Distribution	Services
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		
Sands China Ltd.	X		
Sankyo Co., Ltd.			X
Score Media and Gaming Inc.			X
Scout Gaming Group AB			X
Secure Electronic Technology Plc	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		
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		
Szygy 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		
Thunderbird Resorts Inc.	X		
Tintra Ltd.			X

Gambling Company	Production	Distribution	Services
Tokyo-Keiba 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		
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		
<b>Total Excluded companies</b>	<b>228</b>	<b>3</b>	<b>96</b>

## Pornography

Adult Entertainment/ Pornography refers to explicit images of sexual behaviour that are intended to cause sexual excitement. This includes products labelled 'erotica', 'porn' or 'adult entertainment'.

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
<b>Total Excluded companies</b>	<b>7</b>	<b>6</b>

## Military Equipment

Military equipment refers to equipment that have been developed, designed, or modified for military use based on military specifications. It covers both combat equipment as well as other military equipment with non-lethal functionality.

Military Company	Production	Distribution
3M Technical Ceramics, Inc.	X	
4C Group AB	X	
Ability, Inc.	X	
Abu Dhabi Ship Building Co.	X	
Addsino Co., Ltd.	X	
ADS Tactical, Inc.		X
AECC Aviation Power Co., Ltd.	X	
AEROFLEX HOLDING CORP.	X	
Aerojet Rocketdyne Holdings, Inc.	X	
Aerospace Industrial Development Corp.	X	
Aerostar SA	X	
AeroVironment, Inc.	X	
AgEagle Aerial Systems, Inc.	X	
Air Industries Group	X	
Airboss of America Corp.	X	
Airbus Finance BV	X	
Airbus SE	X	
Alaris Holdings Ltd.	X	
Albany International Corp.	X	
Allient Inc.	X	
Allison Transmission Holdings, Inc.	X	
Allison Transmission, Inc.	X	
American Pacific Corp.	X	
AMMO, Inc.	X	
Amphenol Corporation	X	
Amphenol Technologies Holding GmbH	X	
API Technologies Corp.	X	
Apollo Micro Systems Limited	X	
Aryt Industries Ltd.	X	
Asahi-Seiki Manufacturing Co., Ltd.	X	
Aselsan Elektronik Sanayi ve Ticaret AS	X	X
Ashot Ashkelon Industries Ltd.	X	
Astronics Corporation	X	
ATI, Inc.	X	
Austal Limited	X	
Avcorp Industries Inc.	X	
AVIC Airborne Systems Co., Ltd.	X	
AVIC Shenyang Aircraft Co., Ltd.	X	
AVIC Xi'an Aircraft Industry Group Co., Ltd.	X	
AviChina Industry & Technology Company Limited	X	
Avicopter Plc	X	
Avio SpA	X	
Avon Protection Plc	X	
Babcock International Group Plc	X	
BAE Systems (Finance) Ltd.	X	
BAE Systems Plc	X	
BCA Customer Finance, Inc.	X	
Bel Fuse Inc.	X	
BEML Limited	X	
Benchmark Electronics, Inc.	X	
Bet Shemesh Engines Holdings (1997) Ltd.	X	
Bharat Dynamics Limited	X	
Bharat Electronics Limited	X	
BigBear.ai Holdings, Inc.	X	
Bodycote plc	X	
Booz Allen Hamilton Holding Corporation	X	
Booz Allen Hamilton, Inc.	X	



Military Company	Production	Distribution
Boustead Heavy Industries Corporation Berhad	X	
Breeze-Eastern LLC	X	
Butler National Corporation	X	
BWX Technologies, Inc.	X	
Cabela's LLC	X	X
CACI International Inc	X	
CAE Inc.	X	
Calian Group Ltd.	X	
Chemring Group Plc	X	
China Aerospace Science & Technology Corp.	X	
China Aerospace Times Electronics Co., Ltd.	X	
China North Industries Group Corp. Ltd.	X	
China Poly Group Corp. Ltd.	X	X
China Shipbuilding Industry Co., Ltd.	X	
China South Industries Group Co., Ltd.	X	
China State Shipbuilding Corp. Ltd.	X	
CIRCOR International, Inc.	X	
Clarus Corporation	X	X
Cobham Ltd.	X	
Cochin Shipyard Limited	X	
Coda Octopus Group, Inc.	X	
Coherent Corp.	X	
Cohort Plc	X	
Colt CZ Group SE	X	X
Colt Defense LLC	X	
Comrod Communication AS	X	
Comtech Telecommunications Corp.	X	
Connect Finco SARL	X	
CPI Aerostructures, Inc.	X	
Crane Co.	X	
Crane NXT Co.	X	
Cray Inc.	X	
CSBC Corp. Taiwan	X	
CSSC Capital 2015 Ltd.	X	
CSSC Capital Two Ltd.	X	
Cubic Corporation	X	
Curtiss-Wright Corporation	X	
Dassault Aviation SA	X	
Data Patterns (India) Ltd.	X	
Destini Berhad	X	
DRS RADA Technologies Ltd.	X	
Ducommun Incorporated	X	
DynCorp (Parent) International Inc.	X	
Egide SA	X	
Elbit Systems Ltd.	X	
Electro Optic Systems Holdings Limited	X	
eMagin Corporation	X	
Embraer Netherlands Finance BV	X	
Embraer Overseas Ltd.	X	
Embraer SA	X	
EMCORE Corporation	X	
Empower AI, Inc.	X	
Environmental Tectonics Corporation	X	
ESCO Technologies Inc.	X	
Espey Mfg. & Electronics Corp.	X	
Esterline Technologies Corp.	X	
Exail Technologies SA	X	
Exchange Income Corporation	X	
F.M.S. Enterprises Migun Ltd.	X	
Fincantieri SpA	X	
Finmeccanica Finance SA	X	
Firstec Co., Ltd.	X	
Fluor Corporation	X	
Garden Reach Shipbuilders & Engineers Limited	X	

Military Company	Production	Distribution
Genasys, Inc.	X	
General Dynamics Corporation	X	
Giga-tronics Incorporated	X	
GKN Holdings Ltd. (Birmingham)	X	
GKN Ltd.	X	
Global Brass & Copper, Inc.	X	
Global Brass and Copper Holdings, Inc.	X	
Globecomm Systems, Inc.	X	
Goodrich Corp.	X	
Graham Corporation	X	
H&K AG	X	X
Hanwha Aerospace Co., Ltd.	X	
Hanwha Corp.	X	
Hanwha Systems Co., Ltd.	X	
HBL Power Systems Limited	X	
Heckler & Koch GmbH	X	X
HEICO Corporation	X	
HENSOLDT AG	X	
Heroux-Devtek, Inc.	X	
HFCL Limited	X	
High Energy Batteries Ltd.	X	
HighCom Limited	X	
Hindustan Aeronautics Ltd.	X	
HJ SHIPBUILDING & CONSTRUCTION Co., Ltd.	X	
Honeywell International Inc.	X	
Howa Machinery, Ltd.	X	
Howmet Aerospace Inc.	X	
Huntington Ingalls Industries, Inc.	X	
HYUNDAI ROTEM Co.	X	
Iar SA	X	
IEC Electronics Corp.	X	
IHI Corp.	X	
Imco Industries Ltd.	X	
Indra Sistemas SA	X	
Inmarsat Finance Plc	X	
Inmarsat Group Holdings Ltd.	X	
Inner Mongolia First Machinery Group Co., Ltd.	X	
Intelsat Connect Finance SA	X	
Intracom Holdings SA	X	
Iridium Communications Inc.	X	
Jacobs Solutions, Inc.	X	
James Fisher & Sons plc	X	
Jiangsu Yinhe Electronics Co., Ltd.	X	
Jiangxi Hongdu Aviation Industry Co., Ltd.	X	
Jihua Group Corp. Ltd.	X	X
Kaman Corporation	X	
Kawasaki Heavy Industries Ltd.	X	
Kaydon Corp.	X	
KBR, Inc.	X	
Kirov Mayak Plant OAO	X	
Kitron ASA	X	
Kongsberg Gruppen ASA	X	
Kopin Corporation	X	
Korea Aerospace Industries Ltd.	X	
Kratos Defense & Security Solutions, Inc.	X	
Kreiser Manufacturing Corp.	X	
L3 Technologies, Inc.	X	
L3Harris Technologies, Inc.	X	
Latecoere SA	X	
Leidos Holdings, Inc.	X	
Leidos, Inc.	X	
Leonardo DRS, Inc.	X	
Leonardo SpA	X	
Leonardo US Holding, Inc.	X	

Military Company	Production	Distribution
LIG Nex1 Co., Ltd.	X	
LMI Aerospace, Inc.	X	
Lockheed Martin Corporation	X	
Lubawa SA	X	
Lumibird SA	X	
Machine Building Plant Arsenal OJSC	X	
MACOM Technology Solutions Holdings, Inc.	X	
Magellan Aerospace Corporation	X	
ManTech International Corporation	X	
Meggitt Ltd.	X	
Melrose Industries Plc	X	
Mercury Systems, Inc.	X	
Microsemi Corp.	X	
Mikros Systems Corporation	X	
Mildef Crete, Inc.	X	
MilDef Group AB	X	X
Miroku Corp.	X	
Mishra Dhatu Nigam Limited	X	
Mitsubishi Heavy Industries, Ltd.	X	
Moog Inc.	X	
Moscow Machine Building Plant Vpered JSC	X	
Motor Sich JSC	X	
MS International plc	X	
MTI Wireless Edge Ltd.	X	
MTU Aero Engines AG	X	
National Presto Industries, Inc.	X	
NC Kazakhstan Engineering JSC	X	
NOF Corp.	X	X
North Industries Group Red Arrow Co., Ltd.	X	
North Navigation Control Technology Co., Ltd.	X	
Northrop Grumman Corporation	X	
Northrop Grumman Systems Corp.	X	
Oceanering International, Inc.	X	
OHB SE	X	
Olin Corporation	X	X
Optex Systems Holdings, Inc.	X	
Orbit International Corp.	X	
Orbit Technologies Ltd.	X	
Orbital Corporation Limited	X	
Oshkosh Corporation	X	
Otokar Otomotiv ve Savunma Sanayi AS	X	
PAE Incorporated	X	
PAR Technology Corporation	X	
Park Aerospace Corp.	X	
Parker-Hannifin Corporation	X	
Parsons Corporation	X	
Poongsan Corp.	X	
POONGSAN HOLDINGS Corp.	X	
Precision Castparts Corp.	X	
Premier Explosives Ltd.	X	
Prevas AB	X	
PyroGenesis Canada Inc.	X	
QinetiQ Group plc	X	
Qorvo, Inc.	X	
Quickstep Holdings Limited	X	
Raytheon Co.	X	
RBC Bearings Incorporated	X	
Reliance Naval & Engineering Limited	X	
Reorganized ISA S.A.	X	
Reunert Ltd.	X	
Rheinmetall AG	X	
Ricardo plc	X	
Rolls-Royce Group Ltd.	X	
Rolls-Royce Holdings plc	X	

Military Company	Production	Distribution
Rolls-Royce Plc	X	
Roita Americas LLC	X	
Roita India Limited	X	
Roita LLC	X	
Romaero SA	X	
RSL Electronics Ltd.	X	
RTX Corp.	X	
RUBICON TECHNOLOGY, INC.	X	
SA Belge De Constructions Aeronautiques	X	
Safran SA	X	
Saft Groupe SA	X	
Sanmina Corporation	X	
Sarcos Technology & Robotics Corp.	X	
Science Applications International Corporation	X	
Senior plc	X	
Serco Group Plc	X	
SIFCO Industries, Inc.	X	
Sinfonia Technology Co., Ltd.	X	
Singapore Technologies Engineering Ltd.	X	
Smith & Wesson Brands, Inc.	X	X
Smiths Group plc	X	
SNT DYNAMICS Co., Ltd.	X	
SOLiD, Inc.	X	
Solitron Devices, Inc.	X	
Sparton Corp.	X	
Special Machine Building & Metallurgy PJSC	X	
Spirit AeroSystems Holdings, Inc.	X	
Spirit AeroSystems, Inc.	X	
Sportsman's Warehouse Holdings, Inc.	X	X
SRA International, Inc.	X	
ST Engineering Financial I Ltd.	X	
Starburst Holdings Limited	X	
Sturm, Ruger & Co., Inc.	X	X
STX Engine Co., Ltd.	X	
Sypris Solutions, Inc.	X	
Saab Ab	X	
TA Mfg Ltd.	X	
Taneja Aerospace & Aviation Ltd.	X	
TAT Technologies Ltd.	X	
Taurus Armas SA	X	X
Techpribor PJSC	X	
TeleCommunication Systems, Inc.	X	
Teledyne FLIR LLC	X	
Teledyne Technologies Incorporated	X	
Tel-Instrument Electronics Corp.	X	
Telos Corporation	X	
Textron Financial Corp.	X	
Textron Inc.	X	
Thales Belgium SA	X	
Thales SA	X	
The Boeing Company	X	
The Dewey Electronics Corp.	X	
The KEYW Holding Corporation	X	
TianJin 712 Communication & Broadcasting Co., Ltd.	X	
Titanium Metals Corp.	X	
Tokyo Keiki, Inc.	X	
TransDigm Group Incorporated	X	
TransDigm, Inc.	X	
Triumph Group, Inc.	X	
TT electronics plc	X	
TTM Technologies, Inc.	X	
Tula Gun Factory JSC	X	
Turbomecanica SA	X	
Ultralife Corporation	X	

Military Company	Production	Distribution
UQM Technologies, Inc.	X	
V. A. Degtyarev Plant OJSC	X	
V2X, Inc.	X	
Valinar LLC	X	
Verney-Carron SA	X	X
VIASAT, INC.	X	
Vicor Corporation	X	
VICTEK Co., Ltd.	X	
Video Display Corp.	X	
VirTra, Inc.	X	
Vista Outdoor Inc.	X	
VSE Corporation	X	
Walchandnagar Industries Ltd.	X	
Wesco Aircraft Holdings, Inc.		X
Woodward, Inc.	X	
Wuhan Guide Infrared Co., Ltd.	X	
Zen Technologies Ltd.	X	
AAR Corp.	X	
<b>Total excluded companies</b>	<b>329</b>	<b>18</b>

## Principal Adverse Impacts

Strongly negative performance across individual and/or in combination of principal adverse impact indicators.<sup>3</sup> Includes all mandatory PAI indicators and certain voluntary indicators.

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
11 PLC	X	
374Water Inc.	X	
AB Ignitis Gamyba	X	
Abraxas Petroleum Corporation	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	
ACWA Power Management & Investments One.	X	
Adani Power Limited	X	
Adaro Finance BV	X	
Advanced Ceramic X Corp.	X	
Aeolus Tyre Co. Ltd.	X	
Aerojet Rocketdyne Holdings, Inc.		X
Aerospace Long-March International Trade Co., Ltd.		X
AES Andes SA	X	
AES Chivor & CIA SCA ESP	X	
Afluenta Geracao de Energia Eletrica SA	X	
African Rainbow Minerals Ltd.	X	
African Sun Ltd.	X	
AGL Energy Limited	X	
Aisha Steel Mills Ltd.	X	
Akcansa Cimento Sanayi ve Ticaret AS	X	
Al Jouf Cement Co.	X	
Alabama Power Company	X	
Alamos Gold, Inc.	X	
Alba SE	X	
Alum SA	X	
Alumina Limited	X	
ALV Infrastructure Development Investment JSC	X	
Amara Raja Energy & Mobility Limited	X	
Amita Technologies, Inc.	X	
Amreli Steel Ltd.	X	
An Giang Import-Export Co.	X	
An Hui Wenergy Co., Ltd.	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
Andrew Peller Limited		X
Angang Steel Co., Ltd.	X	X
Anhui Conch Cement Company Limited	X	
Anhui GreatWall Military Industry Co., Ltd.		X
Anhui Military Industry Group Holding Co. Ltd.		X
Ankit Metal & Power Ltd.	X	
Anoto Group AB		X
Anwar Galvanizing Ltd.	X	
Anyang Iron & Steel Co., Ltd.	X	
A-Online Capital (A.O.C.) Ltd.	X	
Apollo Power Ltd.	X	
Apollo Tyres Ltd.	X	
Arab Organization for Industrialization		X
Arabian Cement Co.	X	
Araya Industrial Co., Ltd.	X	
ArcelorMittal Finance SA	X	
ArcelorMittal Kryvyi Rih PJSC	X	
ArcelorMittal SA	X	
ArcelorMittal South Africa Ltd.	X	
Arch Resources, Inc.	X	
Arch Western Finance LLC	X	
Archrock, Inc.	X	
Arcplus Group PLC	X	
Argosy Minerals Limited	X	
Ariston Holding NV	X	
Armour Energy Limited	X	
Aryt Industries Ltd.		X
Asahi Industries Co., Ltd.	X	
Asahi Kagaku Kogyo Co., Ltd.	X	
Ascent Industries Co.	X	
Ashiana Ispat Ltd.	X	
Ashoka Manufacturing Ltd		X
Asia Cement (China) Holdings Corp.	X	
ASIA CEMENT Co., Ltd.	X	
ASIA Holdings Co., Ltd.	X	
Asia Metal Public Company Limited	X	
Asia Mineral JSC	X	
Astra Space, Inc.	X	
ATC Cargo SA	X	
Atlantic Petroleum P/F		X
Atlas Arteria Ltd.	X	
Atlas Consolidated Mining & Development Corp.	X	
Attock Cement Pakistan Ltd.	X	
Attock Refinery Ltd.	X	
Aura Systems, Inc.	X	
Auxilium Pharmaceuticals LLC	X	
Avary Holding (Shenzhen) Co., Ltd.		X
Avibras Industria Aeroespacial SA		X
AVIC Xi'an Aircraft Industry Group Co., Ltd.		X
AviChina Industry & Technology Company Limited		X
Azuma Shipping Co., Ltd.	X	
Bac Kan Mineral JSC	X	
BAE Systems (Finance) Ltd.		X
BAE Systems Plc		X
Balkrishna Industries Limited	X	
Bamburi Cement Co. Ltd.	X	
Bank of Jiangsu Co., Ltd.		X
Banpu Power Public Co. Ltd.	X	
Bantec, Inc.	X	
Baoshan Iron & Steel Co., Ltd.	X	
Bao-Trans Enterprises Ltd.	X	
Bashneft PJSOC	X	
Bastas Baskent Cimento Sanayi ve Ticaret AS	X	
Bathurst Resources Limited	X	
Bayer AG		X
Bayer Capital Corp.		X
Bayer Capital Corp. BV		X
Bayer US Finance II LLC		X
Bayer US Finance LLC		X

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
BBMG Corporation	X	
BE Group AB	X	
Beach Energy Limited	X	
Beijing Haohua Energy Resource Co., Ltd.	X	
Beijing Jingneng Power Co., Ltd.	X	
Beijing Shougang Co., Ltd.	X	
Beijing Tong Ren Tang 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
Bien Hoa Concrete JSC	X	
Bihar Sponge Iron Ltd.	X	
Bisichi Plc	X	
BluMetric Environmental Inc.	X	
Bogota Financial Corp.		X
Bookook Steel Co., Ltd.	X	
Border Timbers Ltd.	X	
Bowen Coking Coal Limited	X	
Brederode SA		X
Brøndbyernes I.F. Fodbold A/S		X
Buzzi SpA	X	
BYD Electronic (International) Co., Ltd.		X
Can2 Termik AS	X	
Canfor Pulp Products Inc.	X	
Canvest Environmental Protection Group Company Limited	X	
Capro Corp.	X	
Caspian Sunrise Plc	X	
Cayman Golden Century Wheel Group Ltd.	X	
CEAT Limited	X	
Cementir Holding NV	X	
Cementos Bio Bio SA	X	
Cementos Molins SA	X	
CEMEX Holdings Philippines, Inc.	X	
Cemex Latam Holdings SA	X	
Centamin Plc	X	
Central Puerto SA	X	
Centrica Plc	X	
Century Global Commodities Corporation	X	
Century Peak Holdings Corp.	X	
CEZ as		X
CGN New Energy Holdings Co., Ltd.	X	
CGN Power Co., Ltd.	X	
Chang Yee Steel Co., Ltd.	X	
Changjiang Securities Co., Ltd.		X
Channel Infrastructure NZ Limited	X	
Chaozhou Three-Circle (Group) Co., Ltd.		X
Cheng Shin Rubber Ind. Co., Ltd.	X	
Cherat Cement Co. Ltd.	X	
China Aerospace Science & Industry Corp. Ltd.		X
China Aerospace Science & Technology Corp.		X
China Aviation Oil (Singapore) Corp. Ltd.	X	
China BlueChemical Ltd.	X	
China CBM Group Company Limited	X	
China Coal Energy Company Limited		X
China Coal Xinji Energy Co., Ltd.	X	
China Eastern Airlines Corporation Limited		X
China Everbright Bank Company Limited		X
China Hanking Holdings Ltd.	X	
China Hongqiao Group Limited	X	
China ITS (Holdings) Co., Ltd.	X	
China Mengniu Dairy Co., Ltd.	X	
China National Building Material Company Limited	X	
China North Industries Corp.		X
China North Industries Group Corp. Ltd.		X
China Northern Rare Earth (Group) High-Tech .		X
China Oriental Group Company Limited	X	X
China Poly Group Corp. Ltd.		X

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
China Power International Development Limited	X	
China Qinfa Group Ltd.	X	
China Resource & Environment Co., Ltd.	X	
China Resources Building Materials Technology Holdings	X	
China Resources Power Holdings Co., Ltd.	X	
China Satellite Communications Co., Ltd.		X
China Shanshui Cement Group Limited	X	
China Tianrui Group Cement Company Limited	X	
China United Network Communications Ltd.		X
China Yangtze Power Co., Ltd.		X
Chongqing Changan Automobile Co. Ltd.		X
Chongqing Iron & Steel Company Limited	X	
Chun Yuan Steel Industry Co., Ltd.	X	
Ciments Francais SAS	X	
Cimsa Cimento Sanayi ve Ticaret AS	X	
City Cement Co.	X	
Cleco Corporate Holdings LLC	X	
CMI Ltd. (India)	X	
CNPC Capital Co., Ltd.		X
Coal India Ltd.	X	
Coala Life Group AB		X
Co-Diagnostics, Inc.		X
Cogent Communications Holdings, Inc.	X	
Cokyvina JSC	X	
Compuage Infocom Ltd.	X	
CONSOL Energy Inc.	X	
Construction Materials Industries & Contracting S.A.O.G.	X	
Construtora Sultepa SA	X	
Consumer Portfolio Services, Inc.		X
ContourGlobal Ltd.	X	
ContourGlobal Power Holdings SA	X	
CoreCivic, Inc.		X
CORESTATE Capital Holding SA		X
CRRC Corporation Limited		X
Crypto Flow Technology Limited	X	
Cummins Inc.	X	
Cyfrowy Polsat SA		X
D.G. Khan Cement Co. Ltd.	X	
Dacian Gold Limited	X	
Dae Dong Steel Co., Ltd.	X	
DAEJOO ENT Co., Ltd.	X	
DAIKIN INDUSTRIES Ltd.		X
Daiun Co., Ltd.	X	
Dalmia Bharat Limited	X	
Danang Rubber Joint Stock Company	X	
Dandot Cement Co. Ltd.	X	
Dangote Cement Plc	X	
Data443 Risk Mitigation, Inc.	X	
Datang International Power Generation Co., Ltd.	X	X
DCM Corp.	X	
De Grey Mining Ltd	X	
Defence Industries Organization Training & Research Institute		X
DeTai New Energy Group Limited	X	
Development Advance Solution Co., Ltd.	X	
Dewan Cement Ltd.	X	
DFCITY Group Bhd.	X	
DONG SUH Companies Inc.		X
DONGIL INDUSTRIES Co., Ltd.	X	
Dongwu Cement International Limited	X	
DONGYANG STEC Co., Ltd.	X	
Dorogobuzh PJSC	X	
DoubleUGames Co., Ltd.		X
DTE Energy Company		X
Dyckerhoff AG	X	
EAC Invest A/S		X
Eastern Treads Ltd.	X	



PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
Ebara Corp.	X	
EDP Servicios Financieros	X	
E-Commodities Holdings Limited	X	
Economic Explosives Ltd.		X
Edesal Holding SA	X	
EDP Finance BV		X
EDP-Energias de Portugal SA		X
EHang Holdings Ltd.	X	
Eisen- und Huettenerwerke AG	X	
EL Forge Ltd.	X	
EL5-Energo PJSC	X	
Elbit Systems Ltd.		X
Electric Power Development Co., Ltd.	X	
Electrotherm (India) Ltd.	X	
Elemental Altus Royalties Corp.	X	
Elutia, Inc.		X
Emera Incorporated		X
Emerson Electric Co.	X	
Emlak Konut Gayrimenkul Yatirim Ortakligi AS		X
Empresa Agroindustrial Pomalca SA	X	
Empresa Distribuidora Sur SA	X	
Empresa Electrica Angamos SA	X	
En+ Group International PJSC	X	
EnBW Energie Baden Wuerttemberg AG		X
ENBW International Finance BV		X
Endo Finance Co.	X	
Endo Finance LLC	X	
Endo International plc	X	
Endo Ltd.	X	
Endo Luxembourg Finance Company ISARL	X	
ENE SA	X	
Energous Corporation	X	
Energy Resources LLC	X	
Energy Transfer LP		X
Enkei Wheels (India) Ltd.	X	
EPI (Holdings) Limited	X	
EQ Resources Limited	X	
Eskom Holdings SOC Ltd.	X	
ESL Steel Ltd.	X	
ESS Tech, Inc.	X	
Esso	X	
Esterline Technologies Corp.		X
European Wax Center, Inc.	X	
Europlasma SA	X	
Everbright Securities Company Limited		X
Evertz Technologies Limited		X
Export-Import Bank of India		X
Exxaro Resources Ltd.	X	
Ezdan Holding Group		X
Facor Alloys Ltd.	X	
Fauji Cement Co. Ltd.	X	
Faw Jiefang Group Co., Ltd.		X
Federal Corp.	X	
Feishang Anthracite Resources Ltd.	X	
FirstEnergy Corp.	X	
FLSmith & Co. A/S	X	
Flying Cement Co. Ltd.	X	
Fonterra Shareholders' Fund	X	
Formosa Taffeta Co., Ltd.		X
Forterra plc	X	
Fortum Oyj	X	
Forward Energy PJSC	X	
Fountain Set (Holdings) Limited	X	
Fujairah Cement Industries Co.	X	
Fujian Funeng Co., Ltd.	X	
Gansu Energy Chemical Co., Ltd.	X	
Gansu Jiu Steel Group Hongxing Iron & Steel Co., Ltd.	X	
Gardner Denver, Inc.	X	
Gaz Capital SA	X	X

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
Gaz Finance Plc	X	X
Gazprom Capital OOO		X
Gazprom Neft PJSC		X
Gazprom Neftekhim Salavat JSC		X
Gazprom PJSC	X	X
GC Rieber Shipping ASA	X	
GCL Technology Holdings Limited		X
GD Power Development Co., Ltd.	X	X
Gencor Industries, Inc.		X
General Dynamics Corporation		X
General Dynamics Ordnance & Tactical Systems, Inc.		X
General Mining Co. Plc	X	
Genesis Minerals Limited	X	
GeNeuro SA (Switzerland)		X
Genting Berhad		X
Genting Plantations Bhd.		X
Geo Coal International Pte Ltd.	X	
Geo Energy Resources Limited	X	
Georgian Oil & Gas Corp. Ltd.	X	
Getlink SE	X	
Ghandhara Tyre & Rubber Co. Ltd.	X	
GITI Tire Corp.	X	
Givbux, Inc.	X	
Global Heavy Chemicals Ltd.	X	
Godo Steel, Ltd.	X	
Golik Holdings Limited	X	
Goodyear (Thailand) Public Co., Ltd.	X	
Goodyear India Limited	X	
Gopal Iron & Steels Co. Gujarat Ltd.	X	
Gopeng Bhd.	X	
GoPro, Inc.	X	
Gotion High-tech Co., Ltd	X	
Green River Holding Co., Ltd.	X	
Greentech Technology International Limited	X	
GRP Ltd. (India)	X	
Grupo Famsa SAB de CV	X	
Guangdong Baolihua New Energy Stock Co., Ltd.	X	
Guangdong Electric Power Development Co., Ltd.	X	
Guangdong Haid Group Co., Ltd.		X
Guangdong Zhongnan Iron & Steel Co., Ltd.	X	
Guizhou Wire Rope Co., Ltd.	X	
Gujarat Mineral Development Corporation Limited	X	
Gujarat Natural Resources Ltd.	X	
Gulf Cement Co. PSC	X	
Gyeongnam Steel Co., Ltd	X	
Hail Cement Co.	X	
Hallador Energy Company	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	
Hanson Australia Funding Ltd.	X	
HD Hyundai Electric Co., Ltd.	X	
HEG Limited	X	
Heidelberg Materials AG	X	
Heidelberg Materials Finance Luxembourg SA	X	
HeidelbergCement Finance BV	X	
HeidelbergCement India Limited	X	
Henan Shenhua Coal & Power Co., Ltd.	X	
Herborium Group, Inc.	X	
Hexcel Corporation	X	
Hibiscus Petroleum Berhad	X	
Hidili Industry International Development Limited	X	
Hindustan Oil Exploration Company Limited	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
Hisar Metal Industries Ltd.	X	
Hod - Assaf Industries Ltd.	X	
Hokuetsu Metal Co., Ltd.	X	
Holcim Philippines, Inc.	X	
Hop Fung Group Holdings Limited	X	
Hotron Precision Electronic Industrial Co., Ltd.	X	
Howa Machinery, Ltd.		X
Huadian Energy Co., Ltd.	X	
Huadian Power International Corp. Ltd.	X	
Huaneng Power International, Inc.	X	X
Huarui Electrical Appliance Co. Ltd.	X	
Huaxin Cement Co., Ltd.	X	
Huaxin Cement International Finance Co., Ltd.	X	
Hunan Valin Steel Co., Ltd.	X	
Huscoke Holdings Limited	X	
Hwa Fong Rubber Ind. Co., Ltd.	X	
Hyundai BNG Steel Co., Ltd.	X	
Hyunjin Materials Co., Ltd.	X	
ICL Group Ltd.		X
Indag Rubber Ltd.	X	
India Steel Works Ltd.	X	
Indian Metals & Ferro Alloys Ltd.	X	
Indika Energy Capital II Pte Ltd.	X	
Indika Energy Capital III Pte Ltd.	X	
Indika Energy Capital IV Pte Ltd.	X	
Indo Energy Finance BV	X	
Indo Energy Finance II BV	X	
Inducto Steel Ltd.	X	
Ingersoll Rand Inc.	X	
Inner Mongolia Dian Tou Energy Corp. 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	
Intergis Co., Ltd.	X	
International Energy Group LLC (Missouri)	X	
International Industries Ltd.	X	
International Steels Ltd.	X	
Interoil Exploration & Production ASA	X	
Intershop Holding AG		X
IOI Corporation Berhad		X
IOI Properties Group Berhad	X	
IPALCO Enterprises, Inc.	X	
Ipek Dogal Enerji Kaynaklari Arastirma ve Uretim AS	X	
Iproeb SA	X	
Irkutskenergo JSC	X	
Israel Corp. Ltd.		X
Israel Electric Corp. Ltd.	X	
IT Tech Packaging, Inc.	X	
Italcementi Finance SA	X	
Italcementi Spa	X	
Ivanhoe Electric Inc.	X	
Izhstal PAO		X
Izmir Demir Celik Sanayi AS	X	
J.K. Cement Ltd.	X	
Jaiprakash Power Ventures Limited	X	
Japan Oil Transportation Co., Ltd.	X	
Japan Petroleum Exploration Co., Ltd.	X	
Jastrzebska Spolka Weglowa SA		X
JB Technology Ltd.		X
JEIL TECHNOS Co., Ltd.	X	
JG Summit Holdings, Inc.		X
Jiangsu Guoxin Corp. Ltd.	X	
Jiangsu Zongyi Co., Ltd.	X	
Jiangxi Copper Company Limited		X
Jinduicheng Molybdenum Co., Ltd.		X
Jinke Property Group Co., Ltd.		X
Jinneng Holding Shanxi Coal Industry Co., Ltd.	X	
Jionto Energy Investment Co., Ltd. Hebei	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
Jizhong Energy Resources Co., Ltd.	X	
JK Lakshmi Cement Limited	X	
JK Tyre & Industries Ltd.	X	
JMV LPS Ltd.		X
Joosung Corp.	X	
JSW Energy Limited	X	
Jura Energy Corporation	X	
Kachchh Minerals Ltd.	X	
Kanani Industries Ltd.	X	
Kangaroo Resources Pty Ltd.	X	
Kanishk Steel Industries Ltd.	X	
Kardemir Karabuk Demir Celik Sanayi ve Ticaret AS	X	
KCP Ltd.	X	
K-Electric Ltd.	X	
KEUM KANG STEEL Co., Ltd.	X	
KH FEELUX Co., Ltd.	X	
KIC Metals Ltd.	X	
Kobelco Wire Co., Ltd.	X	
Kogi Corp.	X	
Kohat Cement Co. Ltd.	X	
Komatsu Ltd.		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	
Kot Addu Power Co. Ltd.	X	
KPN Property Fund	X	
Krasnoyarsk Hydropower Plant JSC	X	
Krypton Industries Ltd.	X	
KSB Limited		X
KSB SE & Co. KGaA		X
KUMHO TIRE Co., Inc.	X	
Kung Long Batteries Industrial Co., Ltd.	X	
Kuwait Cement Co. KPSC	X	
L3 Technologies, Inc.		X
L3Harris Technologies, Inc.		X
Lafarge Africa PLC	X	
Laive SA	X	
LandMark Optoelectronics Corp.	X	
Larsen & Toubro Limited		X
Lee & Man Chemical Co. Ltd.	X	
Lens Technology Co., Ltd.		X
Leoch International Technology Limited	X	
Lepanto Consolidated Mining Co.	X	
Li Ning Company Limited		X
Li-Cycle Holdings Corp.	X	
Lietuvos elektrine AB	X	
LIG Corp.		X
LIG Nex1 Co., Ltd.		X
Lilama 5 JSC	X	
Lilama 69-1 JSC	X	
Lingyuan Iron & Steel Co., Ltd.	X	
Liquidmetal Technologies, Inc.	X	
Liuzhou Iron & Steel Co., Ltd.	X	
Lockheed Martin Corporation		X
Loop Industries, Inc.	X	
Lorenzo Shipping Corp.	X	
Lotte Energy Materials Corp.		X
LSR Group PJSC		X
Lubelski Wegiel BOGDANKA SA	X	
Luks Group (Vietnam Holdings) Co., Ltd.	X	
Luxe Green Energy Technology Co., Ltd.	X	
Lysaght Galvanized Steel Berhad	X	
M.C.S. Steel Public Company Limited	X	
Magna Electro Castings Ltd.	X	
Mahamaya Steel Industries Ltd.	X	
Majapahit Holding BV	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
Malakoff Corporation Berhad	X	
Malaysia Steel Works (KL) Bhd.	X	
Mammoth Energy Services, Inc.	X	
Manho Rope & Wire Co., Ltd.	X	
Maple Leaf Cement Factory Ltd.	X	
Marathon Petroleum Corporation		X
Marksman Energy Inc.	X	
Maxscend Microelectronics Co., Ltd.		X
MC Mining Limited	X	
Mechel PAO	X	
Medivir AB		X
Meghna Cement Mills Plc	X	
Melon SA	X	
Merafe Resources Ltd.	X	
Meritor, Inc.	X	
Meso Numismatics, Inc.	X	
Metal Fabricators of Zambia Plc	X	
Metalloinvest Finance DAC	X	
Metalloinvest Holding Co. JSC	X	
Metallurgical Corporation of China Ltd.		X
Metinvest BV	X	
MIE Holdings Corporation	X	
Miju Steel Mfg. Co., Ltd.	X	
Minasmaquinas SA	X	
Minoan Lines SA	X	
Misr Cement Co. (Qena)	X	
Mississippi Power Co.	X	
Mitsubishi Heavy Industries, Ltd.	X	
Mitsubishi Steel Mfg. Co., Ltd.	X	
Mobile TeleSystems PJSC		X
Molitec Steel Co., Ltd.	X	
Mongolian Mining Corporation	X	
Monsanto Co.		X
Morella Corporation Limited	X	
Mosenergo OAO	X	
Mouwasat Medical Services Co.		X
MRF Limited	X	
MTAR Technologies Ltd.		X
Mukand Ltd.	X	
mySafety Group AB		X
Maanshan Iron & Steel Company Limited	X	X
NACCO Industries, Inc.	X	
Naftogaz of Ukraine NJSC	X	
Naigai Trans Line Ltd.	X	
Najran Cement Co.	X	
Nakayama Steel Works, Ltd.	X	
Nakilat, Inc.	X	
Nanjing Iron & Steel Co., Ltd.	X	
Nankang Rubber Tire Corp., Ltd.	X	
National Aluminium Co. Ltd.	X	
National General Industries Ltd.	X	
National Gypsum Co.	X	
Nava Limited	X	
NCL Industries Ltd.	X	
Nestle India Ltd.	X	
Neturen Co., Ltd.	X	
New Hope Liuhe Co., Ltd.	X	
Nexen Tire Corp.	X	
Nexus Infrastructure Plc	X	
Nichia Steel Works, Ltd.	X	
Nihon Kogyo Co., Ltd.	X	
Ningbo Zhoushan Port Co., Ltd.		X
Ningxia Baofeng Energy Group Co., Ltd.		X
Nippon Chutetsukan KK	X	
Nippon Chuzo KK	X	
Nippon Concrete Industries Co., Ltd.	X	
Nippon Kayaku Co., Ltd.	X	
Nippon Koshuha Steel Co., Ltd.	X	
NLC India Ltd.	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
Nordic Shipholding A/S		X
Northern Region Cement Co.	X	
Northrop Grumman Corporation		X
Northrop Grumman Systems Corp.		X
Nova Iron & Steel Ltd.	X	
Novolipetsk Steel		X
Nozawa Corp.	X	
NTPC Limited	X	
Nuh Cimento Sanayi AS	X	
Nymox Pharmaceutical Corporation		X
Oconee Federal Financial Corp.		X
Oil & Natural Gas Corp. Ltd.	X	
OMV Petrom SA	X	
Oppein Home Group, Inc.		X
Orbit Garant Drilling Inc.	X	
Ordtech Military Industries		X
Orient Cement Limited	X	
Oriental Petroleum & Minerals Corp.	X	
Orogen Royalties Inc.	X	
Orzel SA	X	
Oscar Properties Holding AB		X
Ozon Holdings Plc		X
PA Mining Complex LP	X	
Pacific Metals Co., Ltd.	X	
PacifiCorp	X	
Pakistan Ordnance Factories		X
Palace Capital Plc		X
Panchmahal Steel Ltd.	X	
Par Pharmaceutical, Inc.	X	
Peabody Energy Corporation	X	
Pennar Industries Limited	X	
Petrolia SE	X	
Petroliam Nasional Bhd.	X	
PETRONAS Gas Berhad	X	
PetroVietnam Power Nhon Trach 2 JSC	X	
PGE Polska Grupa Energetyczna SA	X	
PGE Sweden AB	X	
PGNiG Finance AB	X	
PGT Holdings JSC	X	
Phillips 66		X
PhosAgro PJSC		X
PIK-specialized homebuilder PJSC		X
Pioneer Cement Ltd.	X	
Polskie Gornictwo Naftowe i Gazownictwo SA	X	
Poly Developments & Holdings Group Co., Ltd.		X
Pomina Steel Corp.	X	
Poongsan Corp.		X
POONGSAN HOLDINGS Corp.		X
POSCO INTERNATIONAL Corp.		X
POSCO STEELEON Co., Ltd.	X	
Power Assets Holdings Limited	X	
Power Cement Ltd.	X	
Power Construction Corporation of China, Ltd.		X
PPC Ltd.	X	
Prakash Industries Limited	X	
Prax Upstream Ltd.	X	
Preem AB	X	
Premier Explosives Ltd.		X
Primax Electronics Ltd.	X	
Prinx Chengshan Holdings Limited	X	
Prism Johnson Limited	X	
Professional Waste Technology 1999 Public Co., Ltd.	X	
Prosperous Future Holdings Limited	X	
PT Adaro Energy Indonesia Tbk	X	
PT Adaro Indonesia	X	
PT Alfa Energi Investama Tbk	X	
PT Astra International Tbk		X
PT Austindo Nusantara Jaya Tbk	X	
PT Bayan Resources Tbk	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
PT Bukit Asam Tbk	X	
PT Bumi Resources Minerals Tbk	X	
PT Capitol Nusantara Indonesia Tbk	X	
PT Citra Tubindo 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 Indika Energy Tbk	X	
PT Indocement Tunggul Prakarsa Tbk	X	
PT Indofood Sukses Makmur Tbk		X
PT Kirana Megatara Tbk	X	
PT Lion Metal Works Tbk	X	
PT Lionmesh Prima Tbk	X	
PT Media Nusantara Citra Tbk	X	
PT Mitra Investindo Tbk	X	
PT Multistrada Arah Sarana Tbk	X	
PT Organon Pharma Indonesia Tbk	X	
PT Pelat Timah Nusantara Tbk	X	
PT Perusahaan Listrik Negara (Persero)	X	
PT Prima Alloy Steel Universal Tbk	X	
PT Saranacentral Bajatama Tbk	X	
PT Semen Baturaja Tbk	X	
PT Semen Indonesia (Persero) Tbk	X	
PT SMR Utama Tbk	X	
PT Solusi Bangun Indonesia Tbk	X	
PT United Tractors Tbk	X	
Puma International Financing SA	X	
Qatar Electricity & Water Co.	X	
Qatar Gas Transport Co.	X	
Qatar National Cement Co.	X	
Qatari Investors Group	X	
Qingdao Doublestar Co., Ltd.	X	
Quang Nam Mineral Industry Corp.	X	
Radius Recycling, Inc.	X	
Rajasthan Tube Manufacturing Co. Ltd.	X	
Ras Al Khaimah Co. for White Cement & Construction Materials	X	
Rathi Steel & Power Ltd.	X	
RB Global, Inc.	X	
RCL Foods Limited	X	
ReadyMix Plc	X	
Red Rock Resorts, Inc.		X
Refinaria de Petroleos de Manguinhos SA	X	
Reinet Investments SCA		X
Reliance Natural Resources Ltd.	X	
Reliance Power Limited	X	
Reshef Technologies Ltd.		X
Rheinmetall AG		X
RiseSun Real Estate Development Co., Ltd.		X
Ritchie Bros. Holdings, Inc.	X	
Riyadh Cement Co.	X	
Rizzo Group AB		X
Rocket Internet SE		X
Rolling Optics Holding AB		X
Romaero SA	X	
Rostec Corp.		X
Rostelecom PJSC		X
Royale Energy, Inc.	X	
S&U plc		X
S.A.L. Steel Ltd.	X	
S.N.G.N. Romgaz SA	X	
Sagar Cements Ltd.	X	
Sahaviriya Steel Industries Public Co. Ltd.	X	
Sai Son Cement JSC	X	
SAIC Motor Corp. Ltd.		X
Saigon-Quy Nhon Mining Corp.	X	
Sameer Africa Plc	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
SAMHYUN STEEL Co., Ltd.	X	
SAMPYO Cement Co., Ltd.	X	
Samsung C&T Corp.	X	
SamwonSteel Co., Ltd.	X	
Sanan Optoelectronics Co. Ltd.		X
Sandhar Technologies Limited		X
Sanghi Industries Ltd.	X	
Sanok Rubber Company SA	X	
Sansteel MinGuang Co.,Ltd.,Fujian	X	
Santos Limited		X
Sanyu Co., Ltd.	X	
Sappi Ltd.	X	
Sasol Financing International Ltd.	X	
Sasol Financing Ltd.	X	
Sasol Financing USA LLC	X	
Sasol Ltd.	X	
Saudi Arabian Oil Co.	X	
Saudi Cement 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. - 4	X	
Saudi Electricity Global Sukuk Co. - 5	X	
Saudi Electricity Sukuk Programme Co.	X	
Saurashtra Cement Ltd.	X	
Schaffner Holding AG	X	
SDIC Power Holdings Co., Ltd.	X	
SeAH SPECIAL Steel Co., Ltd.	X	
Selan Exploration Technology Ltd.	X	
Semirara Mining & Power Corp.	X	
Service Industries Ltd.	X	
Shamal Az-Zour Al-Oula Power & Water Co. KSCP	X	
Shan Xi Hua Yang Group New Energy Co. Ltd.	X	
Shandong Energy Group Co., Ltd.	X	
Shandong Hongqiao New Material Co., Ltd.	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	
Shanghai Pharmaceuticals Holding Co., Ltd.		X
Shanghai U9 Game Co., Ltd.	X	
Shanxi Antai Group Co., Ltd.	X	
Shanxi Coking Coal Energy Group Co., Ltd.	X	
Shanxi Taigang Stainless Steel Co., Ltd.	X	
Sharjah Cement & Industrial Development Co.	X	
SHB Trading Investment JSC	X	
Shenzhen Energy Group Co., Ltd.	X	
Shenzhen Gas Corp. Ltd.	X	
Shenzhen Highpower Technology Co., Ltd.	X	
Shenzhen Nanshan Power Co., Ltd.	X	
Sherritt International Corporation	X	
SHIN HWA DYNAMICS Co., Ltd.	X	
Shree Cement Limited	X	
Shri Keshav Cements & Infra Ltd.	X	
Shaanxi Coal Industry Co., Ltd.		X
Siam City Cement Public Company Limited	X	
Siam Steel Service Center Public Co., Ltd.	X	
Sidma SA Steel Products	X	
Siemens Energy AG	X	
Siemens Energy Finance BV	X	
Siemens Limited	X	
Silk Road Logistics Holdings Limited	X	
Sinotrans Limited	X	
Sinotruk Hong Kong Ltd.		X
SK, Inc.		X
SKSHU Paint Co., Ltd.		X
SMC Investment Trading JSC	X	
SMITH-MIDLAND CORPORATION	X	



PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
SN Nuclearelectrica SA	X	
SNT DYNAMICS Co., Ltd.		X
SNT Holdings Co., Ltd.		X
Solar Industries India Limited		X
Sollensys Corp.	X	
Song Ho Industrial Co., Ltd.	X	
South Valley Cement Co.	X	
Southern Province Cement Co.	X	
Southgobi Resources Ltd.	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	
Starcore International Mines Ltd.	X	
State-Owned Foreign Trade Unitary Enterprise Belpetsvneshtech		X
Steel & Tube Holdings Limited	X	
Steel Authority of India Limited	X	
Sterling Powergensys Ltd.	X	
Sterlite Technologies Limited	X	
Straits Energy Resources Berhad	X	
Suez Cement Co.	X	
Sumitomo Osaka Cement Co., Ltd.	X	
Summit Power Ltd.	X	
SunCoke Energy Partners Finance Corp.	X	
SunCoke Energy Partners, L.P.	X	
SunCoke Energy, Inc.	X	
SUNGSHIN CEMENT Co., Ltd.	X	
Sunshine Oilsands Ltd.	X	
Superactive Group Company Limited	X	
Surgutneftegas PJSC	X	X
Surya Roshni Limited	X	
Swaraj Engines Ltd.	X	
SYNergy ScienTech Corp.	X	
Synthetic Moulders Ltd.		X
TA Mfg Ltd.		X
Tabuk Cement Co.	X	
Taiheiyō Cement Corp.	X	
Taiwan Cement Corp.	X	
Takasago Tekko KK	X	
Talen Energy Corp.	X	
Talen Energy Supply LLC	X	
Tamilnadu Steel Tubes Ltd.	X	
Tanjung Bin Energy Issuer Bhd.	X	
TAQA Morocco SA	X	
Tata Metaliks Limited	X	
Tatneft PJSC	X	
Tauron Polska Energia SA	X	
TC Energy Corporation	X	
TCC International Holdings Ltd.	X	
TCL Technology Group Corp.		X
Tecnicas Reunidas SA	X	
Teollisuuden Voima Oyj	X	
TerraCom Limited	X	
Texhong International Group Limited		X
Thatta Cement Co. Ltd.	X	
The Andersons, Inc.	X	
The Day & Zimmermann Group, Inc.		X
The GEO Group, Inc.		X
The Hub Power Co. Ltd.	X	
The India Cements Limited	X	
The Okinawa Electric Power Co., Inc.	X	
The Philodrill Corp.	X	
The Power & Water Utility Co. for Jubail & Yanbu	X	
The Second Generation Co of the Wholesale Power Market PJSC	X	
The Steel Public Company Limited	X	
Thungela Resources Ltd.	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
ThyssenKrupp AG	X	
ThyssenKrupp Finance Nederland BV	X	
Tianneng Power International Limited		X
Tien Trung JSC	X	
Titan Cement Co. SA	X	
Titan Cement International SA	X	
Titan Global Finance Plc	X	
TMT Steel Public Company Limited	X	
Tohoku Steel Co., Ltd.	X	
Tokuyama Corp.	X	
Tokyo Cement Company (Lanka) PLC	X	
TOKYO ROPE MFG. CO., LTD.	X	
Tokyo Tekko Co., Ltd.	X	
Tonner Drones SA	X	
Torunlar Gayrimenkul Yatirim Ortakligi AS		X
Totech Corp.	X	
Town Centre Securities plc		X
Toyo Asano Foundation Co., Ltd.	X	
TPI Polene Power Public Co., Ltd.	X	
TPI Polene Public Co. Ltd.	X	
Traction AB		X
TransCanada PipeLines Ltd.	X	
TransCanada Trust	X	
TransDigm Group Incorporated		X
TransDigm, Inc.		X
Tulsyan NEC Ltd.	X	
Turcas Petrol AS	X	
Turnall Holdings Ltd.	X	
TVS Srichakra Limited	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	
Unipro PJSC	X	
Universal Coal Plc	X	
Vamshi Rubber Ltd.	X	
Vardhman Special Steels Ltd.	X	
Vassiliko Cement Works Public Co. Ltd.	X	
Vedan International (Holdings) Limited	X	
Vedanta Limited	X	
Venlon Enterprises Ltd.	X	
Vertiv Company Group Ltd.	X	
Vicat SA	X	
VICEM But Son Cement JSC	X	
Vietnam Germany Steel Pipe JSC	X	
Vietnam National Petroleum Corp.	X	
Village Super Market, Inc.		X
Vinaship JSC	X	
Vistra Corp.	X	
Vistra Operations Co. LLC	X	
VNECO 8 Electricity Construction JSC	X	
Vnsteel - Vicasa JSC	X	
Votorantim Cimentos SA	X	
Walchandnagar Industries Ltd.		X
WCT Holdings Berhad	X	
Welcast Steels Ltd.	X	
Wentworth Resources Plc	X	
WesCan Energy Corp.	X	
West China Cement Ltd.	X	
Willdale Ltd.	X	
Wintek Corp.	X	
Wintime Energy Group Co., Ltd.	X	
Wolfspeed, Inc.	X	
Wonil Special Steel Co., Ltd.	X	
Workhorse Group Inc.	X	
Wuhan Iron & Steel Co., Ltd.	X	
X5 Retail Group NV		X
Xiamen Sunrise Group Co., Ltd.	X	

PAI Company	Climate and other environment-related indicators	Indicators for social and employee, respect for human rights, anti-corruption, and anti-bribery matters
Xingda International Holdings Limited	X	
Xingye Alloy Materials Group Limited	X	
Xinjiang Ba Yi Iron & Steel Co., Ltd.	X	
Xinjiang Tianshan Cement Co., Ltd.	X	
Xinxing Ductile Iron Pipes Co., Ltd.	X	
Xinyi Glass Holdings		X
Xiwang Special Steel Company Limited	X	
Yakutsk Fuel & Energy Co. PJSC	X	
Yamamah Saudi Cement Co.	X	
Yanbu Cement Co.	X	
Yancoal International Resources Development Co.	X	
Yankuang Energy Group Co., Ltd.	X	
Yankuang Group (Cayman) Ltd.	X	
Yashima Denki Co., Ltd.	X	
Yodogawa Steel Works, Ltd.	X	
YTL Corporation Berhad	X	
YTL Power International Berhad	X	
Yunnan Baiyao Group Co., Ltd.		X
Yunnan Bowin Technology Industry Co., Ltd.	X	
Zapadoslovenska Energetika as	X	
Zenith Steel Pipes & Industries Ltd.	X	
Zespół Elektrociepłowni Wrocławskich Kogeneracja	X	
Zhejiang Kingland Pipeline & Technologies 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	
Zhuhai CosMX Battery Co., Ltd.	X	
Zhuzhou CRRC Times Electric Co., Ltd.		X
Zijin Mining Group Co., Ltd.		X
<b>Total excluded companies</b>	<b>760</b>	<b>205</b>

## Approved External Fund Investments

Approved excluded positions indirectly held by Danske Bank, Danica Pension and/or Danske Invest branded investment products through investments in external funds.

Exemption date	External fund	Excluded position	Category	Exempted for
22 March 2024	iShares MSCI World SRI UCITS ETF	PHILLIPS 66	Human Rights Issues, Harmful Environmental Practices	LU Allocation - Basic 50 LU Allocation - Basic 80 LU Allocation - Basic 100
		BUNGE LTD	Biodiversity Impacts, Harmful Environmental Practices, Tax practices	
		Daikin Industries Ltd	Controversial Weapons	
22 March 2024	iShares MSCI USA SRI UCITS ETF	PHILLIPS 66	Human Rights Issues, Harmful Environmental Practices	
		BUNGE LTD	Biodiversity Impacts, Harmful Environmental Practices, Tax Practices	
22 March 2024	UBS Lux Fund Solutions - MSCI USA Socially Re	PHILLIPS 66	Human Rights Issues, Harmful environmental practices	
		BUNGE LTD	Biodiversity Impacts, Harmful Environmental Practices, Tax Practices	
22 March 2024	JPMorgan Investment Funds - US Select Equity Fund C (acc) USD	Xcel Energy	Thermal coal	Managed Account
25 June 2024	J.P. Morgan US Select Equity	ExxonMobil Corporation	Harmful Environmental Practices	