

CANADA CORPORATE SCORES 2018



CORPORATE DISCLOSURE TO INVESTORS IN NORTH AMERICA



634

total Climate change
disclosers



72

total Forest disclosers



220

total Water security
disclosers

Canada

124

Climate
change

9

Forests

28

Water
security

USA

510

Climate
change

63

Forests

192

Water
security

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CDP SCORING METHODOLOGY 2018

CDP Scoring Partners



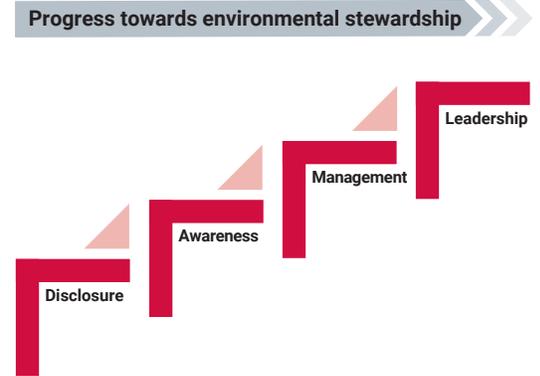
CDP scoring lays down milestones marking the progress of a company's sustainable journey. It provides a roadmap to companies to compare themselves to the best in class. The scoring methodology has evolved over time to influence company behaviour in order to improve their environmental performance. Scoring at CDP is mission-driven, focusing on principles and values for a sustainable economy, and highlighting the business case for change.

CDP's 2018 questionnaires are focused on the high-impact sample companies in each of the three themes – Climate Change, Water, and Forests. To operationalise this approach, CDP developed a new Activity Classification System (CDP-ACS),¹ a three-tiered system starting from the lower rung of Activity, going up to Activity Group and, finally, Industry. This framework categorizes companies by the most relevant sectors. It focuses on the diverse activities from which companies derive revenue and associates these with the impacts on their business from climate change, water security and deforestation. This helps ensure a better understanding of company actions according to their environmental risk, opportunity and impact and is essential for better comparability of data.

While the bulk of the scoring logic applies to all sectors and questionnaires alike, each of the questionnaires comes with a somewhat tailored scoring methodology. The sector-based approach allows CDP to make more meaningful assessments of companies' responses, incorporating each sector's characteristics and nuances, resulting in a score that reflects the company's progress in environmental stewardship and enabling better benchmarking against other companies.

The scoring of CDP's questionnaires is conducted by accredited scoring partners trained by CDP. CDP's internal scoring team coordinates and collates all scores and run data quality checks and quality assurance processes to ensure that

Illustration of scoring levels



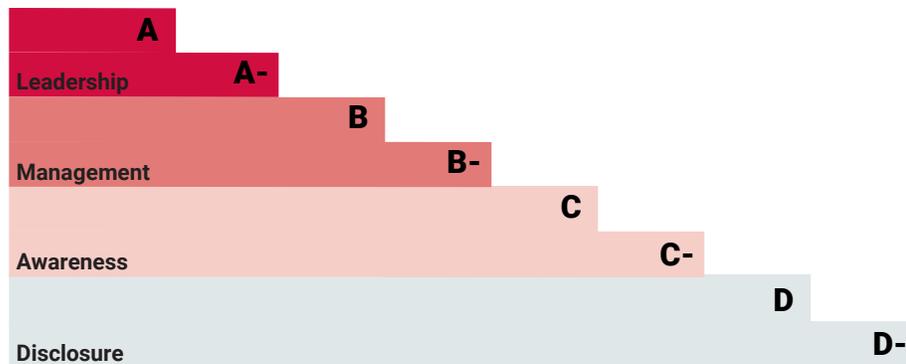
scoring standards are aligned between samples and scoring partners.

Responding companies are assessed across four consecutive levels which represent the steps a company moves through as it progresses towards environmental stewardship: Disclosure which measures the completeness of the company's response; Awareness which intends to measure the extent to which the company has assessed environmental issues, risks and impacts in relation to its business; Management which is a measure of the extent to which the company has implemented actions, policies and strategies to address environmental issues; and Leadership which looks for particular steps a company has taken which represent best practice in the field of environmental management.

Questions may include criteria for scoring across more than one level. The criteria for scoring the levels are distributed throughout the questionnaire. All of the questions are scored for the disclosure level. Some of the questions have no awareness, management or leadership level scoring associated with them.

Further guidance on the 2018 general questions and sector questions can be downloaded from: www.cdp.net/guidance/guidance-for-companies

Climate Change	Forests	Water Security
>65%	>60%	>55%
0–64%	0–59%	0–54%
45–74%	45–74%	45–69%
<45%	<45%	<45%
45–79%	45–79%	45–79%
<45%	<45%	<45%
45–79%	45–79%	45–79%
<45%	<45%	<45%



F = Failure to provide sufficient information to CDP to be evaluated for this purpose.²

Scoring categories and weightings

This year, the number of categories per theme has increased from 2017, in order to better focus on key data points and provide a more detailed breakdown of a company's score. Scoring categories in 2018 are sub-groups of the 2018 questionnaire modules and are unique to each theme, but within each theme they are consistent across all sectors. Each sector within each theme is affected by and manages environmental issues in a specific way.

To capture these specificities, different weightings will be applied amongst sector scoring categories in each theme.³

Weightings are applied by calculating the Management and Leadership score per scoring category in the same way as previous years: Numerator/Denominator * 100. These % scores are then translated into a category score per level by

calculating the proportion of points achieved relative to the category weighting: Category weighting (%) / 100 * Management/Leadership score (%). The category scores for each level are then summed together to calculate the overall final score.

Scoring weightings will only be applied to each of the scoring categories at Management and Leadership level. Where a scoring category consists of new questions, low weightings will reflect this. Weightings will be applied differently across sector categories for each theme to reflect this.

Public scores are available in CDP reports, through Bloomberg terminals, Google Finance and Deutsche Börse's website. CDP operates a strict conflict of interest policy with regards to scoring and this can be viewed at <https://bit.ly/2Sx3hLd>

Category	Management weighting (%)	Leadership weighting (%)
Governance	12	12.5
Risk management processes	10	10
Risk Disclosure	8	8
Opportunity Disclosure	8	8
Business Impact Assessment & Financial Planning Assessment	5	5
Business Strategy	5	5
Scenario Analysis	1	1
Targets	12	12
Emissions reductions initiatives and low carbon products	5	5
Scope 1 & 2 emissions (incl. verification)	12	12
Scope 3 emissions (incl. verification)	5	5
Emissions breakdowns	0	0
Energy	6	7
Additional climate-related metrics (incl. verification)	0	0
Carbon pricing	2	0
Value chain engagement	5	5
Public policy engagement	1	0
Communications	1	0.5
Sign off	2	2
100% Disclosure points	0	2
Overall Total	100%	100%

1 For further information, visit <https://bit.ly/2FlpQdY>.

2 Not all companies requested to respond to CDP do so. Companies who are requested to disclose their data and fail to do so, or fail to provide sufficient information to CDP to be evaluated will receive an F. An F does not indicate a failure in environmental stewardship.

3 The table is an example of the General Climate Change scoring categories and weightings. Full Scoring categories and weightings can be found here:
Climate: <https://bit.ly/2UgF9Q1>
Forests: <https://bit.ly/2U0Unl4>
Water: <https://bit.ly/2kbQBG5>

THE A-LIST:

NORTH AMERICA

The A List was established in 2011 for Climate Change, in 2015 for Water Security, and in 2016 for Forests. Companies who earn a place on the CDP A List have exhibited a thorough understanding of climate-, water-, and deforestation-related risks and opportunities and have formulated and implemented strategies to mitigate or capitalize on these risks and opportunities. The Supplier Engagement Rating (SER)

is a subset of the Climate Change program reflecting CDP's system of evaluating supplier engagement practices, allowing companies to raise their supplier engagement work and shape their supplier climate profiles. SER scores are not shared publicly and will be only be provided to the disclosing company and their requesting customer(s).

Company	Country	Climate Change	Supplier Engagement Rating	Water Security	Forests
AbbVie Inc	USA		A		
Accenture	USA	A	A		
Adobe, Inc.	USA	A	A		
Alphabet, Inc.	USA	A	A		
Altria Group, Inc.	USA			A	
Anheuser Busch InBev	USA		A		
Apple Inc.	USA	A			
Autodesk, Inc.	USA		A		
Bank of America	USA	A			
BCE Inc.	Canada	A			
Best Buy Co., Inc.	USA	A			
Biogen Inc.	USA		A		
BNY Mellon	USA	A	A		
Caesars Entertainment	USA		A		
Canadian National Railway Company	Canada	A			
Cisco Systems, Inc.	USA	A	A		
Citigroup Inc.	USA		A		
Comerica Incorporated	USA		A		
CVS Health	USA		A		
Ford Motor Company	USA			A	
Gap Inc.	USA			A	
General Mills Inc.	USA	A	A	A	
Goldman Sachs Group Inc.	USA	A	A		
Hewlett Packard Enterprise Company	USA	A	A		
HP Inc	USA	A	A		
IGM Financial Inc.	Canada	A			

Company	Country	Climate Change	Supplier Engagement Rating	Water Security	Forests
Ingredion Incorporated	USA		A		
Intel Corporation	USA		A		
International Flavors & Fragrances Inc.	USA	A		A	
Johnson & Johnson	USA	A	A		
Juniper Networks, Inc.	USA		A		
Kellogg Company	USA		A		
Las Vegas Sands Corporation	USA	A		A	
Level 3 Communications, Inc.	USA	A			
Lockheed Martin Corporation	USA	A			
Macerich Co.	USA	A			
Marsh & McLennan Companies, Inc.	USA		A		
MasterCard Incorporated	USA		A		
McDonald's Corporation	USA		A		
MetLife, Inc.	USA		A		
Microsoft Corporation	USA	A	A	A	
Molson Coors Brewing Company	USA		A		
News Corp	USA		A		
NRG Energy Inc	USA		A		
Oracle Corporation	USA	A	A		
Owens Corning	USA	A			
PACCAR Inc	USA	A			
Pfizer Inc.	USA		A		
Philip Morris International	USA		A		
Power Corporation of Canada	Canada	A			
Power Financial Corporation	Canada	A			
Resolute Forest Products Inc.	Canada		A		
salesforce.com	USA	A	A		
Sealed Air Corp.	USA		A		
Stanley Black & Decker, Inc.	USA	A	A	A	
The Home Depot, Inc.	USA	A			
UPS	USA	A			
Waste Management, Inc.	USA	A	A		
Wells Fargo & Company	USA		A		
Xerox Corporation	USA	A	A		

CORPORATE SCORES

Company	Climate change	Water security	Forests			
			Cattle	Palm Oil	Soy	Timber
Apparel						
Canada Goose Holdings	F					
Gildan Activewear Inc.	B	F			F	
Biotech, health care & pharma						
Aurora Cannabis Inc	F					
Bausch Health Cos. Inc.	D					
Canopy Growth Corp	F					
Food, beverage & agriculture						
Agropur Cooperative	SNS					
Cott Corporation	F					
Maple Leaf Foods Inc.	C				F	
Molson Coors Canada	SA					
Premium Brands Holdings Corporation	F				F	
Saputo Inc.	D	SNS			F	
Fossil fuels						
Advantage Oil & Gas Ltd.	F					
ARC Resources Ltd.	B	B				
Athabasca Oil Corporation	F					
Bankers Petroleum Ltd.	F					
Baytex Energy Corp.	D					
Bellatrix Exploration Ltd	F					
Birchcliff Energy Ltd	F					
BlackPearl Resources Inc	F					
Bonavista Energy Corporation	D					
Bonterra Energy Corp	F					
Canadian Natural Resources Limited	D	SNS				
Canadian Oil Sands Limited	F					
Cardero Resource Corp	F					
Cenovus Energy Inc.	F					
CNOOC	F	F				
Connacher Oil and Gas Ltd	F					
Crescent Point Energy Corporation	B	C				
Crew Energy Inc.	F					
Enbridge Inc.	C	C				
Enbridge Income Fund Holding	SA					
Encana Corporation	D	D				
Enerplus Corporation	C	B-				
Freehold Royalties Ltd.	F					
Frontera Energy Corp	F					
Gibson Energy Inc	F					
Gran Tierra Energy Inc.	D					
Husky Energy Inc.	B	B-				

A Company achieved A List status for this program

F Company failed to disclose for this program

SNS Company submitted but was not scored

SA See another response (included under parent company)

Company was not requested to disclose for this program

Company disclosed voluntarily for this program (i.e. was not requested)

Company did not report on this commodity for this program

Company	Climate change	Water security	Forests			
			Cattle	Palm Oil	Soy	Timber
Fossil fuels, continued						
Imperial Oil	F	F				
Inter Pipeline Ltd.	D					
Ithaca Energy Inc	F					
Keyera Corp.	D	F				
Kinder Morgan Canada Ltd	F					
Lightstream Resources Ltd	F					
Long Run Exploration Ltd	F					
MEG Energy Corp.	B					
Nexa Resources SA	F	SNS				
Niko Resources Ltd.	F					
NuVista Energy	F					
Obsidian Energy Ltd	F					
Paramount Resources Ltd.	F					
Parex Resources Inc	C					
Parkland Fuel Corporation	F					
Pembina Pipeline Corporation	F					
Pengrowth Energy Corporation	F					
Peyto Exploration & Development Corp.	F	F				
Prophecy Resource Corp.	F					
Raging River Exploration Inc	F					
Seven Generations Energy	B	F				
ShawCor Ltd.	D					
SouthGobi Resources Ltd.	F					
Suncor Energy Inc.	B	B-				
Surge Energy Inc	F					
Talisman Energy Inc.	SA					
Touchstone Exploration Inc	F					
Tourmaline Oil Corp	D	SNS				
TransCanada Corporation	C	F				
Trilogy Energy Corp	F					
Twin Butte Energy Ltd	F					
Veresen Inc.	F					
Vermilion Energy Inc.	A-	F				
Whitecap Resources	F					
Hospitality						
Boyd Group Income Fund	F					
Cineplex Inc.	SNS					
Corus Entertainment Inc.	F					
Great Canadian Gaming	F					
Restaurant Brands International	SNS	F			SNS	

Company	Climate change	Water security	Forests			
			Cattle	Palm Oil	Soy	Timber
Infrastructure						
Alaska Hydro Corporation	F					
Algonquin Power & Utilities Corporation	D					
AltaGas Ltd.	B	F				
ATCO Ltd.	F	F				
Canadian Utilities	F					
Chartwell Seniors Housing REIT	F					
EnerCare Inc	F					
First Capital Realty Inc.	C					
Fortis Inc.	F	F				
Hydro One Limited	C					
Just Energy Group Inc.	F					
Morguard Corporation	F					
Prairiesky Royalty Ltd	F	F				
Progressive Waste Solutions Ltd.	F					
SNC-Lavalin Group Inc.	C	C				
Superior Plus Corp.	F					
Manufacturing						
Agrium Inc.	SNS	SNS				
Allseating Corporation	D					
Armstrong Fluid Technology	C					
BlackBerry Limited	C					
Bombardier Inc.	F					
BRP	C					
CAE Inc.	D					
Cascades Inc.	SNS					
Catalyst Paper Corporation	D	F				D
CCL Industries	C					
Celestica Inc.	B					
Chemtrade Logistics Income Fund	F					
General Motors Company	A-	A-				F
Inscape Corporation	C					
IPL Plastics Inc.	F					
Keilhauer	C					
Krug Inc.	SNS					
Linamar Corporation	F					
Magna International Inc.	D	C				
Martinrea International Inc.	F					
Maxar Technologies Ltd	F					
Methanex Corporation	F	F				
New Flyer Industries Inc	F					F
ONEX Corporation	F					

- A** Company achieved A List status for this program
- F** Company failed to disclose for this program
- SNS** Company submitted but was not scored
- SA** See another response (included under parent company)
- Company was not requested to disclose for this program
- Company disclosed voluntarily for this program (i.e. was not requested)
- Company did not report on this commodity for this program

Company	Climate change	Water security	Forests			
			Cattle	Palm Oil	Soy	Timber
Manufacturing, continued						
Potash Corporation of Saskatchewan Inc.	SA	SA				
Stance Healthcare	D					
Winpak Ltd.	B-					
Materials						
Cameco Corporation	F	F				
Canfor Corporation	F			F		
Domtar Corporation	C	F				C
Interfor Corp	F					
Ivanhoe Mines	SNS	C				
Norbord Inc.	F			F		
Nutrien Ltd.	F	F				
Resolute Forest Products Inc.	B	B-				A-
Richelieu Hardware	F					
Russel Metals Inc.	F					
Stelco Holdings Inc	F					
Stella-Jones Inc	C					C
West Fraser Timber Co. Ltd.	F	F		F		
Mineral extraction						
Agnico-Eagle Mines Limited	D	C				
Alamos Gold Inc.	F	F				
B2GOLD CORP	F					
Barrick Gold Corporation	F	F				
Centamin plc	C	B-				
Centerra Gold Inc.	D					
Detour Gold Corporation	C	F				
Dominion Diamond Corp	F					
Eldorado Gold Corporation	D	C				
Endeavour Mining Corp	F					
First Quantum Minerals Limited	B-	B-				
Franco-Nevada Corporation	D-					
Goldcorp Inc.	B	B-				
HudBay Minerals Inc.	D	C				
IAMGOLD Corporation	C	C				
Katanga Mining Limited	F					
Kinross Gold Corporation	C	F				
Kirkland Lake Gold Inc.	F					
Lundin Mining Corporation	B					
Major Drilling Group International.	F					
New Gold Inc.	F	F				
OceanaGold Corporation	F					

Company	Climate change	Water security	Forests			
			Cattle	Palm Oil	Soy	Timber
Mineral extraction, continued						
Osisko Gold Royalties Ltd	F					
Pan American Silver Corp.	F					
Pretium Resources Inc	F					
Richmont Mines Inc	F					
Semafo Inc.	F					
Tahoe Resources Inc.	SNS					
Teck Resources Limited	B	B-				
Turquoise Hill Resources Ltd	SA					
Yamana Gold Inc.	D					
Power generation						
Brookfield Renewable Power Inc.	F					
Capital Power Corporation	D					
Emera Inc.	B					
Essar Power Canada Ltd.	F					
Northland Power Inc	F					
Pattern Energy Group Inc	F					
TransAlta Corporation	B					
Transalta Renewables Inc	SA					
Retail						
Alimentation Couche-Tard Inc.	F	F			F	
Canadian Tire Corporation, Limited	C	F			F	
Dollarama Inc	F	F			F	
Empire Company Limited	D	F			SNS	
George Weston Limited	C	C		C		
Hudson's Bay Co.	F				F	
Jean Coutu Group Inc	SA	F			F	
Loblaw Companies Limited	D	F			F	
Lululemon Athletica Inc.	F	F			F	
Metro Inc.	C	F			F	
RONA inc.	F				F	
SPIN MASTER LTD	D					
Services						
Aimia Inc.	C					
Allied Properties REIT	F					
Artis REIT	F					
Bank of Montreal	C					
Bank of Nova Scotia (Scotiabank)	C					
BCE Inc.	A					
BGIS	SNS					
Boardwalk REIT	D					
Brookfield Asset Management Inc.	F	F				

- A** Company achieved A List status for this program
- F** Company failed to disclose for this program
- SNS** Company submitted but was not scored
- SA** See another response (included under parent company)
- Company was not requested to disclose for this program
- Company disclosed voluntarily for this program (i.e. was not requested)
- Company did not report on this commodity for this program

Company	Climate change	Water security	Forests			
			Cattle	Palm Oil	Soy	Timber
Services, continued						
Brookfield Business	F					
Brookfield Property Partners	F					
Canadian Imperial Bank of Commerce (CIBC)	D					
Canadian Real Estate Investment Trust	F					
Canadian Western Bank	F					
CAPREIT	F					
CGI Group Inc.	C					
Choice Properties Reit	F					
CI Financial Corp.	F					
Cogeco Inc.	C					
Colliers International	F					
Cominar Real Estate Investment Trust	F					
Constellation Software Inc	F					
Crombie Real Estate Investment Trust	F					
CT Real Estate Investment Trust	F					
Descartes Systems Group	F					
Desjardins Group	C					
Dream Global REIT	F					
E-L Financial Corporation Limited	F					
Element Fleet Management	F	F				
Entertainment One Ltd	F					
Fairfax Financial Holdings	F			F		
Fairfax India Holdings	F					
Finning International Inc.	D					
First National Financial	F					
FirstService Corp.	F					
Gazit Globe Ltd	F					
Genworth MI Canada Inc.	SNS					
Granite Real Estate Inc	F					
Great-West Lifeco Inc.	A-					
H&R Real Estate Investment Trust	D					
IGM Financial Inc.	A					
Industrial Alliance Insurance and Financial Services Inc.	D					
Intact Financial Corporation	D					
Kinaxis Inc	F					
Laurentian Bank of Canada	D-					
Manulife Financial Corp.	B					
National Bank of Canada	D					
OpenText Corporation	SNS					
Power Corporation of Canada	A					

Company	Climate change	Water security	Forests			
			Cattle	Palm Oil	Soy	Timber
Services, continued						
Power Financial Corporation	A					
Pure Industrial Real Estate Trust	F					
Quebecor Inc.	D				SNS	
RioCan Real Estate Investment Trust	F					
Ritchie Bros. Auctioneers Incorporated	D-					
Rogers Communications Inc.	C					
Royal Bank of Canada	C					
Shaw Communications Inc.	F					
Shopify Inc	D					
Smart Real Estate Investment Trust	F					
Stantec Inc.	A-					
Sun Life Financial Inc.	C					
TD Bank Group	A-					
Telus Corporation	B					
The Stars Group Inc	F					
Thomson Reuters Corporation	B					
TMX Group Limited	F					
Toromont Industries Ltd.	D-					
Transcontinental Inc.	C					C
Wheaton Precious Metals	C					
WSP	B					
Transportation services						
Air Canada	C					
Brookfield Infrastructure Partner L.P.	F					
Canadian National Railway Company	A					
Canadian Pacific Railway	C					
TFI International Inc	F					
WestJet Airlines Ltd.	F					
Westshore Terminals Investment Corporation	F					

A Company achieved A List status for this program

F Company failed to disclose for this program

SNS Company submitted but was not scored

SA See another response (included under parent company)

Company was not requested to disclose for this program

Company disclosed voluntarily for this program (i.e. was not requested)

Company did not report on this commodity for this program

APPENDIX I: CDP ACTIVITY CLASSIFICATION SYSTEM (CDP-ACS)

In order to allocate sector-specific questions to companies, CDP has developed a new Activity Classification System. This is a framework used to categorize companies by the most relevant sectors. It focuses on the diverse activities from which companies derive revenue and associates these with the impacts to their business from climate change, water security and deforestation. As a result, this new approach ensures a better understanding of company actions according to their environmental risk, opportunity and impact and is essential for better comparability of data.

CDP-ACS is a three-tiered system comprised of (from bottom-up) Activity, Activity Group and Industry.

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CDP industry	CDP activity group	CDP activity
Apparel	Apparel design	Apparel & footwear design
	Textiles & fabric goods	Apparel & footwear
		Luggage & bags
Biotech, health care & pharma	Biotech & pharma	Biotechnology
		Pharmaceuticals
	Health care provision	Health care facilities
	Medical equipment & supplies	Health care supplies
		Medical equipment
	Food, beverage & agriculture	Crop farming
Cotton farming		
Fruit farming		
Grain & corn farming		
Other crop farming		
Other oilseed farming		
Palm oil farming		
Rice farming		
Soybean farming		
Sugarcane farming		
Vegetable farming		
Fish & animal farming		
		Cattle farming
		Fishing
		Poultry & other animal farming
Food & beverage processing		Alcoholic beverages
		Animal processing
		Baked goods & cereals
		Chocolate confection
		Coffee
		Dairy & egg products
		Fruit, nut & vegetable processing
		Grain & corn milling
		Non-alcoholic beverages
		Non-chocolate confection
		Oilseed processing
		Other food processing
		Palm oil processing
		Seafood processing
Soybean processing		
Sugar		
Tea		

CDP industry	CDP activity group	CDP activity
Food, beverage & agriculture	Logging & rubber tapping	Logging
		Rubber farming
	Tobacco	Tobacco products
Fossil fuels	Coal mining	Coal extraction & processing
	Oil & gas extraction & production	Natural gas extraction
		Oil & gas extraction
	Oil & gas processing	Oil & gas refining
	Oil & gas retailing	Oil & gas marketing & retailing
Oil & gas storage & transportation	Oil & gas pipelines & storage	
Hospitality	Bars, hotels & restaurants	Fast food
		Food & beverage amenities
		Hotels & lodging
Infrastructure	Construction	Building sub-contractors
		Energy infrastructure
		Non-residential building construction
		Renewable energy construction
		Residential building construction
		Transportation infrastructure & other construction
		Utility line construction
	Energy utility networks	Electricity networks
		Gas utilities
	Land & property ownership & development	Infrastructure upkeep & management
		Land sales & leasing
		Real estate owners & developers
	Non-energy utilities	Recycling
		Waste management
Waste water management		
Water supply networks		
International bodies	International bodies	Government agencies
		Government regional
		Supranationals
Manufacturing	Electrical & electronic equipment	Batteries
		Communication equipment
		Computer hardware
		Electrical equipment
		Electronic components
		Electronic equipment
		Household appliances
		Semiconductors

CDP industry	CDP activity group	CDP activity
Manufacturing	Leisure & home manufacturing	Accessories
		Furniture
		Homeware
		Sporting goods
		Toys & games
	Light manufacturing	Munitions
		Other containers & packaging
		Pollution control equipment
		Tires
	Metal products manufacturing	Fabricated metal components
		Metal containers & packaging
	Paper products & packaging	Paper packaging
		Paper products
	Plastic product manufacturing	Plastic products
	Powered machinery	Agriculture, construction & mining machinery
		Engines & motors
		Industrial machinery
		Other vehicle equipment & systems
	Renewable energy equipment	Other renewable energy equipment
		Solar energy equipment
	Transportation equipment	Aerospace
		Alternative vehicles
		Automobiles
Heavy vehicles		
Railroad rolling stock		
Recreational vehicles		
Shipbuilding		
Wood & rubber products	Finished wood products	
	Rubber products	
Materials	Cement & concrete	Cement
		Concrete products
	Chemicals	Agricultural chemicals
		Basic plastics
		Biofuels
		Inorganic base chemicals
		Nitrogenous fertilizers
		Non-nitrogenous fertilizer
		Other base chemicals
		Personal care & household products
		Specialty chemicals

CDP industry	CDP activity group	CDP activity
Materials	Metal smelting, refining & forming	Aluminum
		Copper
		Iron & steel
		Metal processing
		Other non-ferrous metals
		Precious metals
	Metallic mineral mining	Bauxite mining
		Iron ore mining
		Other non-ferrous ore mining
		Precious metals & minerals mining
	Other minerals	Ceramics
		Glass products
		Other non-wood building materials
	Other mineral mining	Other non-metallic minerals
Wood & paper materials	Pulp & paper mills	
	Sawmills & wood materials	
Power generation	Biomass & waste generation	Waste generation
	Nuclear power generation	Nuclear generation
	Renewable power generation	Biomass generation
		Geothermal generation
		Hydro generation
		Other renewable generation
		Solar generation
	Thermal power generation	Wind generation
		CCGT generation
		Coal generation
Non-CCGT generation		
Retail	Convenience retail	Hypermarkets & superstores
		Supermarkets, food & drugstores
	Discretionary retail	Apparel stores
		Department stores
		Discretionary delivery retail
		Specialist retail
	Trading, wholesale, distribution, rental & leasing	Agricultural products wholesale
		Animal products wholesale
		Biofuel supply
		Chemicals wholesale & distribution
		Construction & building materials dealing & distribution
		Consumer goods wholesale & rental
		Food & beverage wholesale
Home & office wholesale		
Industrial machinery distribution		

CDP industry	CDP activity group	CDP activity
Retail	Trading, wholesale, distribution, rental & leasing	Metals supply, wholesale & trading
		Pharma & health care supplies wholesale & distribution
		Technology hardware wholesale & distribution
		Textile & apparel wholesale
		Transportation equipment wholesale & dealing
		Vehicles & machinery rental & leasing
		Wood & paper wholesale
Services	Commercial & consumer services	Commercial services
		Consumer services
		Travel services
	Financial services	Asset managers
		Banks
		Insurance
		REIT
	Industrial support services	Energy services & equipment
		Industrial services
		Mining & metals support services
		Transportation support services
	IT & software development	IT services
		Software
	Media, telecommunications & data center services	Media
		Servers & data centers
		Telecommunications services
	Other services	Education services
		Health care services
		Real estate services
	Print & publishing services	Print publishing
		Printing services
	Specialized professional services	Engineering services
		Other financial
		Other professional services
	Web & marketing services	Marketing
		Web-based services

CDP industry	CDP activity group	CDP activity
Transportation services	Air transport	Air freight
		Passenger airlines
	Intermodal transport & logistics	Intermodal transport
		Logistics – 3rd party
		Logistics – transport
	Marine transport	Cruise lines & ferries
		Marine freight
	Rail transport	Passenger rail
		Rail freight
	Road transport	Bus & taxi
Road freight		

APPENDIX II: INVESTOR MEMBERS AND SIGNATORIES

Investor members

ACTIAM	Etica SGR	OFI Global
Aegon	Eurizon Capital SGR S.p.A.	ÖKOWORLD LUX S.A.
Allianz Global Investors	Fondaction CSN	Ostrum Asset Management
Aviva Investors	FUNDAÇÃO ITAUBANCO	Overlook Investments Limited
Aviva plc	Generation Investment Management	PFA Pension
AXA Investment Managers	GMO LLC	Phillips, Hager & North Investment Management Ltd.
Baillie Gifford & Co.	Goldman Sachs Asset Management	PREVI Caixa de Previdência dos Funcionários do Banco do Brasil
Bank of America	Hang Seng Bank	Prudential PLC
Bluebay Asset Management LLP	Hermes Fund Managers	RAM Active Investments
Boston Common Asset Management, LLC	HSBC Global Asset Management	Rathbone Greenbank Investments
British Columbia Investment Management Corporation	HSBC Holdings plc	RBC Global Asset Management
Caisse des Dépôts	Itaú Asset Management S.A	Real Grandeza Fundação de Previdência e Assistência Social
California Public Employees' Retirement System (CalPERS)	Janus Henderson Investors	Robeco
California State Teachers' Retirement System (CalSTRS)	Jupiter Asset Management	RobecoSAM AG
Calvert Investment Management, Inc	Kames Capital	Rockefeller Asset Management
Canada Pension Plan Investment Board (CPPIB)	KEVA	Sampension KP Livsforsikring A/S
Capricorn Investment Group	Legal and General Investment Management	Schroders
Catholic Super	Legg Mason, Inc.	Sompo Holdings, Inc
CCLA Investment Management Ltd.	London Pensions Fund Authority	Sustainable Insight Capital Management (SICM)
ClearBridge Investments	M&G Investments	Terra Alpha Investments LLC
Danske Bank A/S	Martin Currie	The Sustainability Group
EdenTree Investment Management	Mongeral Aegon Seguros e Previdência S.A.	UBS
Edmond de Rothschild Asset Management	National Australia Bank	University of California
Environment Agency Pension Fund	Neuberger Berman	Veritas Pension Insurance
Ethos Foundation	New York State Common Retirement Fund (NYSCRF)	Wellington Management Company LLP
	Nordea Investment Management	Whitley Asset Management
	Norges Bank Investment Management (NBIM)	
	Nuveen	

APPENDIX II: INVESTOR MEMBERS AND SIGNATORIES

Investor signatories

1919 Investment Counsel	AXA Group	Caja Ingenieros Gestión, SGIIC
3Sisters Sustainable Management LLC	B3 S.A	California State University, Northridge Foundation
AB	Banco Bradesco S/A	Candriam Investors Group
AberdeenStandard Investments	Banco BTG Pactual SA	CAPESESP
ABRAPP—Associação Brasileira das Entidades Fechadas de Previdência Complementar	Banco do Brasil S/A	CareSuper
Achmea BV	Banco Sabadell	Carnegie Fonder
Addenda Capital Inc.	Banco Santander	Cathay Financial Holding
AGF Investment Inc.	Bank J. Safra Sarasin AG	Catherine Donnelly Foundation
Aktia Bank Plc	Bank of Montreal	CBF Church of England Funds
Alberta Investment Management Corporation (AIMCo)	Bank of Nova Scotia (Scotiabank)	CBRE Group, Inc.
Alberta Teachers Retirement Fund	Bankinter	Celeste Funds Management
Alecta	Barclays	Central Finance Board of the Methodist Church
Amalgamated Bank	Barnard College	Change Investment Management
AMF	Barncancerfonden	China Development Financial Holdings
Amundi	BASF Sociedade de Previdência Complementar	Christian Brothers Investment Services Inc.
ANBIMA—Associação Brasileira das Entidades dos Mercados Financeiro e de Capitais	Basler Kantonalbank	Christian Super
Anima SGR	BayernInvest Kapitalverwaltungsgesellschaft mbH	Church Commissioners for England
Antera Gestão de Recursos S.A.	BB Previdência—Fundo de Pensão Banco do Brasil	Church Investment Group
APG Asset Management NV	BBC Pension Trust	Church of England Pensions Board DNB
Aquila Capital	BBVA	CI Mutual Funds' Signature Global Advisors
Arabesque Asset Management	Bedfordshire Pension Fund	Clean Yield
Arisaig Partners	BlackRock	CM-CIC Asset Management
Armstrong Asset Management	BMO Global Asset Management	CNP Assurances
ASM Administradora de Recursos S.A.	BNP Paribas Investment Partners	Columbia Threadneedle Investments
Assicurazioni Generali Spa	BNY Mellon	Comerica Incorporated
ATI Asset Management	Brasilprev Seguros e Previdência S/A.	Comgest
Atlantic Asset Management Pty Ltd.	Breckinridge Capital Advisors	Commerzbank AG
ATP Group	British Airways Pension Investment Management Limited	Commonwealth Superannuation Corporation
Australia and New Zealand Banking Group	Brown Advisory	Connecticut Retirement Plans and Trust Funds
Australian Ethical Investment	CAAT Pension Plan	CPR AM
AustralianSuper	Caisse de dépôt et placement du Québec	Credit Agricole
Avaron Asset Management AS	Caixa Econômica Federal S.A	Credit Suisse
avesco Financial Services AG	Caixa Geral de Depósitos	
	CaixaBank	

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Credito Valtellinese	FACEB—Fundação de Previdência dos Empregados da CEB	FUNDIÁGUA—FUNDAÇÃO DE PREVIDENCIA COMPLEMENTAR DA CAESB
CTBC Financial Holding Co., Ltd.	FAELCE—Fundação Coelce de Seguridade Social	FUSAN—FUNDAÇÃO SANEPAR DE PREVIDENCIA E ASSISTENCIA SOCIAL
Daesung Capital Management	FAPERS - Fundação Assistencial e Previdenciária da Extensão Rural do Rio Grande do Sul	Genesis Investment Management
Daiwa Securities Group Inc.	Federal Finance	Genus Capital Management
Dana Investment Advisors	FIM Asset Management	Gjensidige Forsikring ASA
de Pury Pictet Turrettini & Cie S.A.	Financiere de l'Echiquier	Globalance Bank
de Volksbank N.V.	FIPECq Fundação de Previdência Complementar dos Empregados e Servidores da FINEP, do IPEA, do CNPq	GLS Gemeinschaftsbank eG
DekaBank Deutsche Girozentrale	First Affirmative Financial Network	Good Super
Desjardins Group	First Financial Holding Co	Government Employees Pension Service (GEPS)
Deutsche Bank AG	First State Superannuation Scheme	Great Lakes Advisors
Development Bank of Japan Inc.	First Swedish National Pension Fund (AP1)	Greater Manchester Pension Fund
DNB ASA	Firstrand Limited	Green Century Capital Management
DNCA Investments	Folketrygdfondet	GROUPAMA EMEKLİLİK A.Ş.
DNR Capital	Folksam	GROUPAMA SİGORTA A.Ş.
Domini Impact Investments LLC	Fondazione Cariplo	GROUPE OFI AM
DWS Investment GmbH	Fondo Pegaso	Grupo BTG Pactual
Earth Capital Partners LLP	Fondo Pensione Cometa	Grupo Financiero Banorte SAB de CV
East Capital AB	Fonds de Réserve pour les Retraites – FRR	Grupo Santander Brasil
Eaton Vance	Fonds de Solidarite FTQ	Guardians of New Zealand Superannuation
Ecofi Investissements Groupe Credit Cooperatif	Formuesforvaltning Aktiv Forvaltning AS	Hana Financial Group
Ecofin—name changed to Tortoise Advisors U.K Ltd.	Foundation North	Harbour Asset Management
EGAMO	Fourth Swedish National Pension Fund (AP4)	Harmonie Mutuelle
Electron Capital Partners	Friends Fiduciary	Harvard Management Company
ELETRA Fundação Celg de Seguros e Previdência	Fukoku Capital Management Inc	HDFC Bank Ltd.
Elo Mutual Pension Insurance Company	Fundação AMPLA de Seguridade Social	Healthcare of Ontario Pension Plan (HOOPP)
Environmental Investment Services Asia	Fundação Chesf de Assistência e Seguridade Social—Fachesf	Heart of England Baptist Association
Episcopal Diocese of Massachusetts	Fundação Corsandos Funcionários da Companhia Riograndense de Saneamento	Helaba Invest Kapitalanlagegesellschaft mbH
Epoch Investment Partners LLC	Fundação de Assistência e Previdência Social do BNDES/FAPES	HESTA
Epworth Investment Management	Fundação Viva de Previdência	Humanis
eQ Asset Management Ltd.		IDBI Bank Ltd.
Essex Investment Management Company, LLC		IDFC Ltd.
Evangelical Lutheran Church in Canada Pension Plan for Clergy and Lay Workers		IFM Investors
Evangelical Lutheran Foundation of Eastern Canada		Iguana Investimentos
Evangelisch-Luth. Kirche in Bayern		Ilmarinen Mutual Pension Insurance Company
Evli Bank Plc		

Investor signatories, continued

Impax Asset Management Group plc	LBBW Asset Management Investmentgesellschaft mbH	Midwest Coalition for Responsible Investment
Indusind Bank	Legato Capital Management LLC	Miller/Howard Investments
Industrial Alliance Insurance and Financial Services Inc.	LGPS Central Limited	Mirabaud Asset Management
Industriens Pension	LGT Capital Partners	Mirae Asset Global Investments Co. Ltd.
ING Group	Liontrust Asset Management PLC	Mirova
Insight Investment Management (Global) Ltd.	Local Authority Pension Fund Forum	Mirvac Group ▼
Instituto Infraero de Seguridade Social INFRAPREV	LocalTapiola Asset Management Ltd.	Missionary Oblates of Mary Immaculate
Instituto Sebrae De Seguridade Social SEBRAEPREV	Lofoten Asset Management	Mistra, The Swedish Foundation for Strategic Environmental Research
Insurance Australia Group	LOGOS PORTFÖY YÖNETİMİ A.Ş.	Mitsubishi UFJ Financial Group, Inc.
Integral Investimentos / BREI	Lombard Odier	Mitsubishi UFJ Trust and Banking Corporation
Interfaith Center on Corporate Responsibility (ICCR)	Lothian Pension Fund	Mizuho Financial Group, Inc.
Investec Asset Management	LUCRF Super	MN
Investment Management Corporation of Ontario (IMCO)	Lutheran Council of Great Britain	Moneta Asset Management
Irish Life Investment Managers	Macquarie Group	Montanaro Asset Management
Itaú Unibanco Holding S.A.	Magellan Financial Group	MP Investment Management A/S
Jantz Management LLC	Maine Public Employees Retirement System	MS&AD Insurance Group Holdings, Inc.
Jarislowsky Fraser Limited	Manulife Asset Management	MTAA Superannuation Fund
JB FINANCIAL GROUP CO LTD.	MAPFRE	Nanuk Asset Management
Jesuits in Britain	Maple-Brown Abbott	The Nathan Cummings Foundation
JLens Investor Network	Maryknoll Sisters	National Bank of Canada
JPMorgan Chase & Co.	Maryland Capital Management	National Treasury Management Agency
KB Financial Group	Maryland State Treasurer	Natixis
KBC Group	Matthews International Capital Management, LLC	Natural Investments LLC
KBI Global Investors	Mellon Investments Corporation	NEI Investments
KCPS and Company	Mendesprev Sociedade Previdenciária	New South Wales Treasury Corporation (TCorp)
KeyCorp	Mercer	New York City Comptroller on behalf of the NYC pension funds
KfW Bankengruppe	Mercy Investment Services, Inc.	Newton Investment Management Limited
KLP	Mergence Africa Investments (Pty) Limited	NGS Super
KPA Pension	Merseyside Pension Fund	Nikko Asset Management Co., Ltd.
La Banque Postale Asset Management	Metropole Gestion	
La Française Group	Metrus—Instituto de Seguridade Social	
Länsförsäkringar	Metzler Asset Management GmbH	
LaSalle Investment Management	MFS Investment Management	

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Nissay Asset Management Corporation	Priests of the Sacred Heart, US Province	Sparinvest
NN Group	Prologis	Sp-Fund Management Company Ltd.
Nomura Holdings, Inc.	Province of St. Joseph of the Capuchin Order	Sprucegrove Investment Management Ltd.
North East Scotland Pension fund	Provinzial Rheinland Holding	Standard Chartered
Northern Ireland Local Government Officers' Superannuation Committee (NILGOSC)	PSP Investments	State Bank of India
Nykredit	QBE Insurance Group	State Street Global Advisors (SSgA)
Oddo & Cie	QIC	StatewideSuper
OMERS Administration Corporation	Rabobank Group	Stewart Investors
Ontario Teachers' Pension Plan	Raiffeisen Kapitalanlage-Gesellschaft m.b.H.	Stone Harbor Investment Partners
OP Wealth Management	Railpen Investments	Storebrand ASA
Opplysningsvesenets fond (The Norwegian Church Endowment)	REI Super	Strathclyde Pension Fund
OPSEU Pension Trust (OP Trust)	Reliance Capital Ltd.	Stratus Group
P+(DIP/JOEP)	Resona Bank, Limited	Sul América Investimentos Distribuidora de Títulos e Valores Mobiliários S.A.
P1 Investment Management Ltd.	Rhode Island General Treasurer	Sumitomo Mitsui Financial Group
PAI Partners	Riverwater Partners LLC	Sumitomo Mitsui Trust Asset Management Co., Ltd.
PanAgora Asset Management	Rothschild & Co	Sun Life Financial Inc.
Park Foundation	Ruffer LLP	Sustainable Capital
Parnassus Investments	Russell Investments	Svenska Handelsbanken
Paul Hamlyn Foundation	Samsung Fire & Marine Insurance	Svenska Kyrkan, Church of Sweden
PCJ Investment Counsel Ltd.	Sanso Investment Solution	Swedbank Robur Fonder
Pension Protection Fund	Santa Fé Portfolios Ltda	Swift Foundation
PensionDanmark	Sarasin & Partners	Swiss Re
Pensionskasse Stadt Zürich	Saskatchewan Healthcare Employees' Pension Plan	Sycomore Asset Management
Perpetual Investments	SEB Investment Management	T. Rowe Price Associates, Inc.
PGGM	Second Swedish National Pension Fund (AP2)	T.GARANTİ BANKASI A.Ş.
Pictet AM	Seventh Swedish National Pension Fund (AP7)	T.SINAI KALKINMA BANKASI A.Ş.
PIMCO	Sisters of St Francis of Philadelphia	Taishin Financial Holdings
PKA	Sisters of St. Dominic of Caldwell NJ	Tata Capital Limited
PNC Financial Services Group, Inc.	Sjätte AP-fonden (AP6)	TD Asset Management (TD Asset Management Inc. and TDAM USA Inc.)
Power Finance Corporation	Skandia	Tempis Capital Management Co., Ltd.
Presbyterian Church (USA)	Sociedade de Previdência Complementar da DataprevPrevdata	TfL Pension Fund
PREVHAB PREVIDÊNCIA COMPLEMENTAR	Societe Generale	The Church Pension Fund
PREVIG Sociedade de Previdência Complementar	Socrates Fund Management	The Co-operators Group Limited
PrevinorteFundação de Previdência Complementar	SouthPeak Investment Management	The Council of Lutheran Churches

Investor signatories, continued

The Daly Foundation	Unipol Gruppo	Westpac Banking Corporation
The Hartford Financial Services Group, Inc.	UniSuper	Xoom Capital
The Joseph Rowntree Charitable Trust	Unitarian Universalist Association	YES BANK Limited
The McKnight Foundation	United Church Funds	York University
The Norinchukin Bank	Universities Superannuation Scheme (USS)	Youville Provident Fund Inc.
The Presbyterian Church in Canada	University of Massachusetts Foundation	Yuanta Financial Holdings
The Russell Family Foundation	University of Sydney Endowment Fund	Zurich Cantonal Bank
The Sisters of St. Ann	University of Toronto Asset Management Corporation (UTAM)	Zurich Insurance Group
The Trustees of Columbia University in the City of New York	University of Washington	
The United Church of Canada General Council	Van Lanschot Kempen NV	
The Vanguard Group	Vancity Group of Companies	
The Wellcome Trust	Varma Mutual Pension Insurance Company	
Third Swedish National Pension Fund (AP3)	Ventas Inc	
Tobam	Veris Wealth Partners	
Tokio Marine & Nichido Fire Insurance Co., Ltd.	VicSuper Pty Ltd.	
Tribe Impact Capital	Vinva Investment Management	
Trillium Asset Management, LLC	Vontobel Holding AG	
Triodos Investment Management	Voya Investment Management	
Tri-State Coalition for Responsible Investment	Waikato Community Trust	
Trusteam Finance	Walden Asset Management	
Tundra Fonder	Walter Scott & Partners Limited	
UniCredit	Washington State Investment Board	
Union Asset Management Holding AG	Wells Fargo & Company	
	Wespath Investment Management	
	West Yorkshire Pension Fund	

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APPENDIX III: CDP SUPPLY CHAIN MEMBERS

These 115 CDP supply chain members – purchasing organizations—are engaging over 11,500 suppliers on environmental issues.

Red = Lead Member

Automobile manufacturers & parts

BMW AG
Bridgestone Corporation
Fiat Chrysler Automobiles NV
Ford Motor Company
General Motors Company
Honda Europe
Honda Motor Co., Ltd.
Honda North America, Inc.
Jaguar Land Rover Ltd
Mitsubishi Motors Corporation
Nissan Motor Co., Ltd.
Pirelli
Toyota Motor Corporation
Volkswagen AG

Biotech, health care & pharmaceuticals

Bristol-Myers Squibb
CVS Health
Johnson & Johnson
Koninklijke Philips NV
Varian Medical Systems

Chemicals & materials

ARKEMA
Braskem S/A
Croda International
FIRMENICH SA
Givaudan SA
International Flavors & Fragrances Inc.
Klabin S/A
SABIC
Sekisui Chemical Co., Ltd.
Symrise AG

Construction & industrials

Avianca Holdings S.A.
CNH Industrial NV
Eaton Corporation
Ecorodovias Infraestrutura e Logística S.A
MRV Engenharia e Participações
Stanley Black & Decker, Inc.

Electrical equipment

Samsung
Signify NV

Financials

Banco Bradesco S/A
Banco do Brasil S/A
Banco Santander
Bank of America
Barclays
Caixa Econômica Federal
Grupo CCR
Itaú Unibanco Holding S.A.
KPMG UK
MetLife, Inc.
Royal Bank of Canada
Santander Brasil Asset Management
TD Bank Group
Virgin Money Holdings
Visa, Inc.
Wells Fargo & Company

Food, beverage & agriculture

Ajinomoto Co.Inc.
Anheuser Busch InBev
British American Tobacco
Diageo Plc
Grupo Bimbo
Heineken NV
Imperial Brands
JT International SA
Kellogg Company
PepsiCo, Inc.
Philip Morris International
The Coca-Cola Company

Government

California Department of General Services (DGS)
Ministry of the Environment, Japan
U.S. General Services Administration (GSA)

Hotels, restaurants & hospitality

Arcos Dorados
Caesars Entertainment
McDonald's Corporation
Restaurant Brands International

Packaging

CANPACK Group

Personal care & household products

Colgate Palmolive Company
KAO Corporation
L'Oréal
S.C. Johnson & Son, Inc.
Unilever plc

Retail

Metro AG
S Group
Target Corporation
Tesco
Wal Mart de Mexico
Walmart—Brasil
Walmart Inc.

Telecommunications & information technology

Accenture
Acer Inc.
Amdocs Ltd
AT&T Inc.
BT Group
Cellnex Telecom SA
Chunghwa Telecom
Cisco Systems, Inc.
Dell Inc.
Deutsche Telekom AG
Fujitsu Limited
Hewlett Packard Enterprise Company
HP Inc
HTC Corporation
Intel Corporation
Juniper Networks, Inc.
LinkedIn Corp.
Mastercard Incorporated
Microsoft Corporation
NEC Corporation
Nokia Group
Prysmian SpA
Sky plc
Swisscom
VMware, Inc
Vodafone Group

Toy manufacturers

The LEGO Group

Utilities

Águas Andinas
Endesa
Los Angeles Department of Water and Power
National Grid PLC
Naturgy Energy Group SA
NRG Energy Inc
Snam S.p.A.
SSE
Ultragaz S/A

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Gold Partner

