

Climate action and profitability

CDP S&P 500 Climate Change Report 2014

On behalf of 767 investors representing US\$92 trillion in assets





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Meg Whitman

Chairman, President, and CEO, HP



At HP, our people and technology help solve society's toughest challenges. Climate change is one of the most serious issues the world is confronting today. The toll it takes on the planet and humans—through changes in temperature, rising sea levels, extreme weather, and other phenomena—can no longer be ignored.

That's why it is so important for companies, governments, and non-governmental organizations (NGOs) to address the root causes of climate change. This will require new ways of doing business, including developing long-term strategies to drive the low-carbon economy and collaborating on best practices for reducing greenhouse gas (GHG) emissions across industries. It also demands greater accountability, which is why CDP's work to drive transparency around climate change issues and deliver compelling environmental data analysis is so critical.

We believe the information technology (IT) industry is uniquely positioned to help lower carbon emissions across every sector. One way is by inventing more sustainable technologies to replace outdated, inefficient processes and behaviors. In fact, technology has already helped reengineer entire industries with new solutions that use much less energy and have a substantially smaller carbon footprint.

But we need to do even more to

By integrating sustainability across the entire value chain, companies can capture return on capital today and build leadership and business value for their future.

mankind produces more data in two days than in all of human history up to 2003. Supporting that growth in data requires more data centers, which requires more energy. How much energy? Today, the public cloud alone uses more energy than the entire country of Japan. It may soon require more energy than we can even produce. This is simply not sustainable.

We need to think differently about the technology that powers our life and work—creating solutions that go beyond incremental efficiency improvements. At HP, we're looking ahead and thinking about how we can revolutionize the energy economics of the data center. Innovations like HP Moonshot servers, which consume up to 89 percent less energy, use 80 percent less space, and cost 77 percent less than a traditional server environment, and the HP Apollo 8000 System, a liquid-cooled supercomputer, can help organizations eliminate up to 3,800 tons of carbon dioxide waste from data centers per year. We must create solutions that are orders of magnitude faster, that use the optimal amount of energy for the task, and that are built at a fraction of the size—just as HP is doing with its latest innovation, The Machine, which will redefine how we think about computing in this big data era.

But technology is only part of the equation. For companies to make a sustainable impact and achieve long-term business value, they must work to lower carbon emissions across their entire value chain. This means being transparent in tracking and reporting GHG emissions, an approach that allows companies to measure progress, make necessary course corrections, and promote broader accountability.

At HP, we have systematically analyzed our carbon footprint and taken action to reduce our GHG emissions across operations, supply chain, and products. For example, we were the first major IT company to publish and verify our complete carbon footprint. In 2013, we became the first IT company to publish a supply chain GHG emissions reduction goal—a 20 percent decrease in first-tier manufacturing and product transportation-related GHG emissions intensity by 2020, compared with 2010. We have now set a new goal to reduce the emissions intensity of our product portfolio by 40 percent by 2020 from a 2010 baseline. This initiative will help us and our customers reduce our carbon impacts.

By integrating sustainability across the entire value chain, companies can capture return on capital today and build leadership and business value for their future. These investments help companies create a competitive advantage, build stability, and provide assurances to stakeholders that they are well positioned for the challenges of the 21st century.

As we celebrate our 75th anniversary, our focus on sustainability is as strong as ever and is a critical part of HP's growth strategy. We're pleased to be partnering with CDP, governments, NGOs, our customers, and others in the IT industry to build a healthier world for everyone.

One irrefutable fact is filtering through to companies and investors: the bottom line is at risk from environmental crisis.

Paul Simpson

Chief Executive Officer, CDP



The global economy has bounced back from crisis and a cautious optimism is beginning to pervade the markets. As we embrace recovery we must remember that greenhouse gas emissions continue to rise and we face steep financial risk if we do not mitigate them.

The unprecedented environmental challenges that we confront today—reducing greenhouse gas emissions, safeguarding water resources and preventing the destruction of forests—are also economic problems. One irrefutable fact is filtering through to companies and investors: the bottom line is at risk from environmental crisis.

The impact of climate events on economies around the world has increasingly been splashed across headlines in the last year, with the worst winter in 30 years suffered by the USA costing billions of dollars. Australia has experienced its hottest two years on record, and the UK has had its wettest winter for hundreds of years costing the insurance industry over a billion pounds. Over three-quarters of companies reporting to CDP this year have disclosed a physical risk from climate change. Investing in climate change-related resilience planning has become crucial for all corporations.

Investor engagement on these issues is increasing. In the US a record number of share-holder resolutions in the 2014 proxy season led 20 international corporations to commit to reduce greenhouse gas emissions or sustainably source palm oil.

As mainstream investors begin to recognize the real value at risk, we are seeing more action from some of the 767 investors who request disclosure through CDP. The Norwegian pension fund, Norges Bank, with assets worth \$260 billion, expects companies to show strategies for climate change risk mitigation and water management, and have divested from both timber and palm oil companies that did not meet their standards.

There is growing momentum on the policy front with President Obama's announcement of new federal rules to limit greenhouse gases in the US. In the EU, some 6,000 companies will be required to disclose on specific environmental, social and governance criteria as part of their mainstream reporting to investors. In China over 20,000 companies will be required to report their greenhouse gas emissions to the government.

There is a palpable sea change in approach by companies driven by a growing recognition that there is a cost associated with the carbon they emit. Measurement, transparency and accountability drives positive change in the world of business and investment. Our experience working with over 4,500 companies shows the multitude of benefits for companies that report their environmental impacts, unveiling risks and previously unseen opportunities.

We are standing at a juncture in history. With the prospect of a global climate deal coming from the United Nations process, governments, cities, the private sector and civil society have a great opportunity to take bold actions and build momentum in the run up to the Paris 2015 meeting. The decisions we make today can lead us to a profitable and secure future. A future that we can all be proud of.

¹ www.un.org/climatechange/towards-a-climate-agreement/

Executive summary

For each of the past nine years, the world's largest investors have tasked CDP with administering their request for climate change disclosure to S&P 500 companies. This authority granted by capital markets participants representing trillions of dollars in assets makes CDP unique among environmental non-governmental organizations. Investors rely on CDP to communicate to corporations on their behalf, to identify the critical elements of climate change governance, risk management and emissions accounting, and to provide comprehensive data to integrate into their investment research and decision-making.

In this report, we answer the number one question US investors ask CDP about climate change data—"is there evidence of a link to financial performance?"—with a resounding yes.

Our analysis shows that, on climate change management, S&P 500 industry leaders:2

- **▼ generate superior profitability:** ROE³ 18% higher than low scoring peers and 67% higher than non-responders;
- with more stability: 50% lower volatility of earnings over the past decade than low scoring peers;
- **▼ grow dividends to shareholders:** 21% stronger than low scoring peers; and
- exhibit value attributes attractive to equity investors.

By featuring the investment implications of climate change management for the first time in our ninth annual S&P 500 report, we hope to shine a light on the link between strong climate change management and measures of financial performance and, at the very least, to put to rest the common misconception that taking action on climate change exacts a cost to profitability. Our data shows the opposite.

This report presents the progress achieved by 70%⁴ of S&P 500 companies in integrating climate change risk management into strategic planning, taking action towards emissions reductions and demonstrating a long-term view of how to best manage the assets of shareholders.

Investors seek out companies with superior management quality that efficiently allocate capital and maximize operating profitability. Quality is often measured in terms of financial outcomes, including return on equity, earnings stability and dividend growth. Our analysis suggests that climate change leadership is another strong reflection of superior management quality; thus, we observe correlations with these financial measures. However, we are careful to caveat that correlation does not imply causation. Rather, we believe that S&P 500 companies are compelled to act on climate change in defense of their superior profitability and market valuation consistent with their fiduciary obligation to shareholders.

In this report, we refer to industry leaders as S&P 500 companies with 2014 CDP disclosure scores and/or CDP performance bands that rank in the first quartile versus peers by GICS Industry Group, where:

Q1 = first quartile (top 25% of responding companies by industry group); Q2 = second quartile;

Q3 = third quartile:

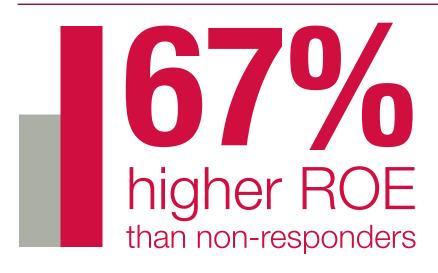
Q4 = fourth quartile (bottom 25% of responding companies by industry group); and Non-responders include: declined to participate: no response; provided information but did not answer questionnaire to CDP in 2014.

Return on Equity (ROE) = net income less preferred dividends, divided by average total common equity (three-year average, 2011-2013).

Analysis in this report is based on the 337 company responses received by the deadline of June 28, 2014. The response rate of 70% (348 companies) is based on time of printing

S&P 500 INDUSTRY LEADERS:

Generate superior profitability



(180₀)
higher ROE
than low-scoring peers

Enjoy more stability

Grow dividends to shareholders

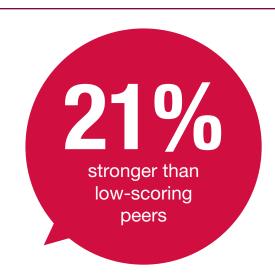


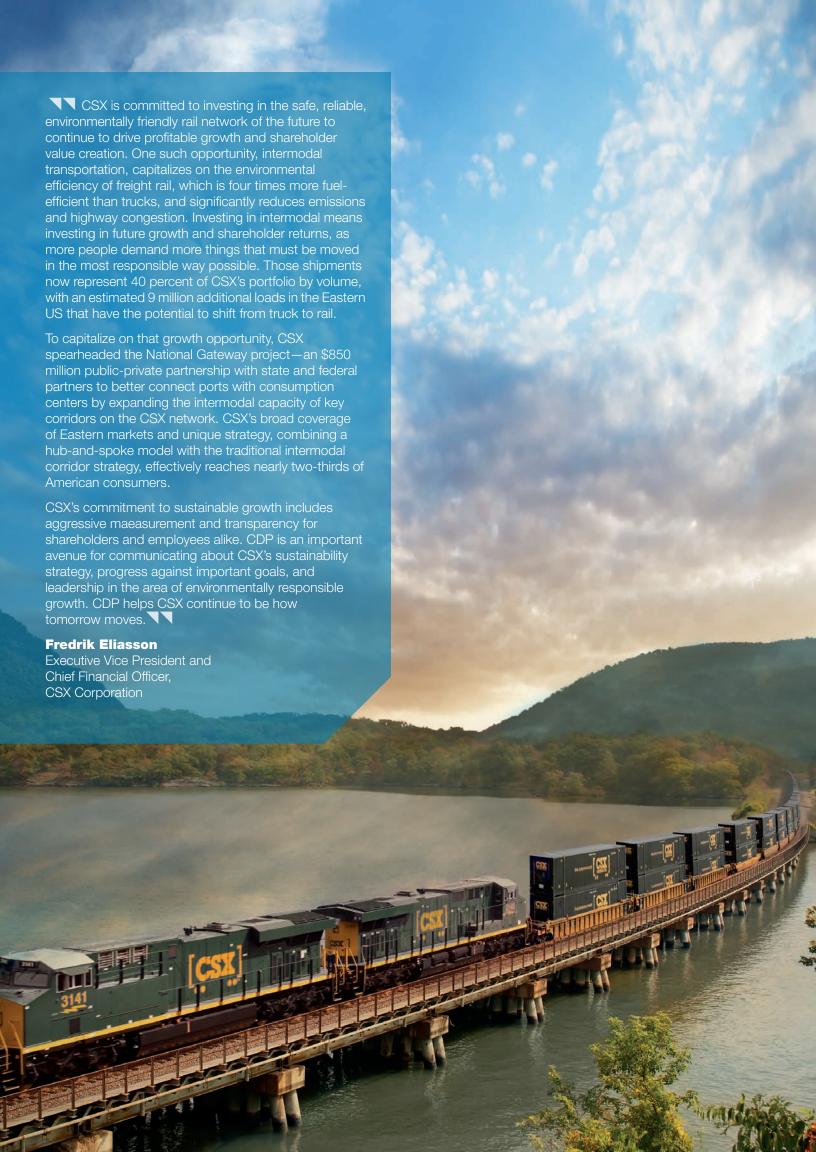
50% lower volatility

of earnings over the past decade than low-scoring peers



Exhibit value attributes attractive to equity investors







Trends in CDP S&P 500 data

Trends in CDP data

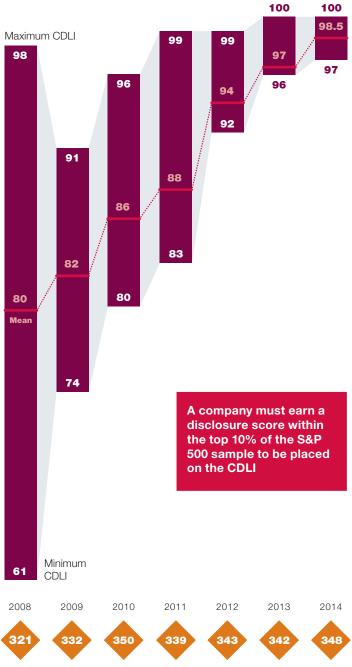
Since 2003, CDP has requested annual climate change disclosures from the world's largest companies on behalf of its investor signatories. The CDP climate change questionnaire focuses on governance, risks & opportunities, and greenhouse gas (GHG) emissions accounting.5 CDP began scoring company responses to its questionnaire in 2007 to provide a gauge of the transparency of climate change information disseminated to the market. Participating companies receive a CDP disclosure score (from 0 to 100) and performance band (from A to E). The disclosure score reflects the transparency of information provided on emissions measurement; climaterelated initiatives; risks & opportunities to the business; and external verification and assurance based solely on the information disclosed in the CDP response.⁶ Companies who score in the top 10% are included in an annual index known as the Climate Disclosure Leadership Index (CDLI).

The bar for admission to the CDLI continues to rise: CDP disclosure scores for the CDLI have narrowed considerably over the past 7 years from a minimum score of 61 in 2008 to 97 in 2014.

Since 2011, CDP has also assigned a performance band from A to E to companies scoring above 50 on disclosure scores. CDP performance bands assess the level of action, as reported by the company, on climate change mitigation, adaptation and transparency. Its intent is to highlight positive climate action as demonstrated by a company's CDP response.

Figure 1. The bar for admission to the Climate
Disclosure Leadership Index (CDLI) continues to rise

Maximum and minimum CDLI scores, 2008-2014



Number of S&P500 responses

For details of the 2014 CDP Climate Change information request, please visit: https://www.cdp.net/CDP%20Questionaire%20Documents/CDP-climate-change-information-request-2014.pdf

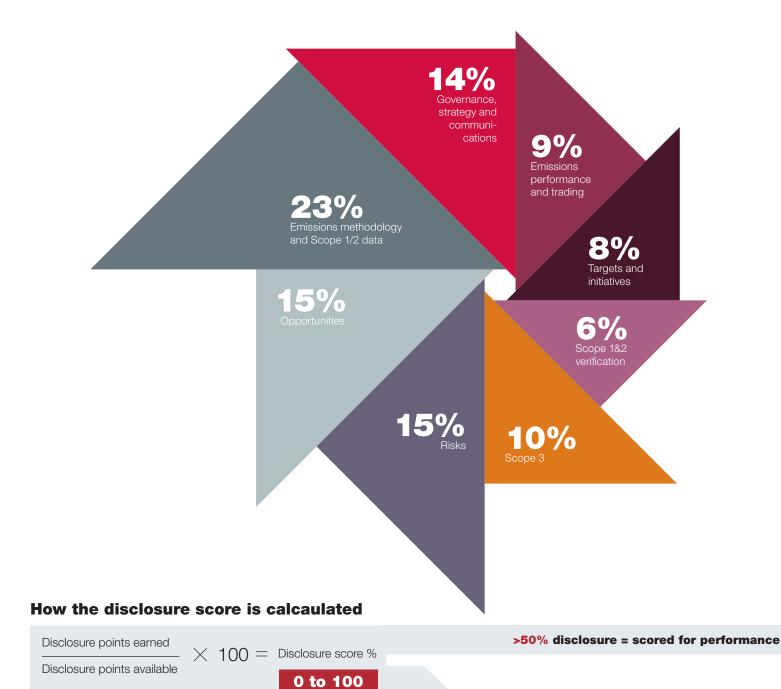
⁶ For details of the 2014 CDP Climate Change scoring methodology, please visit: https://www.cdp.net/Documents/Guidance/2014/CDP-2014-Climate-Change-Scoring-Methodology.pdf



Anatomy of CDP disclosure scores and performance bands

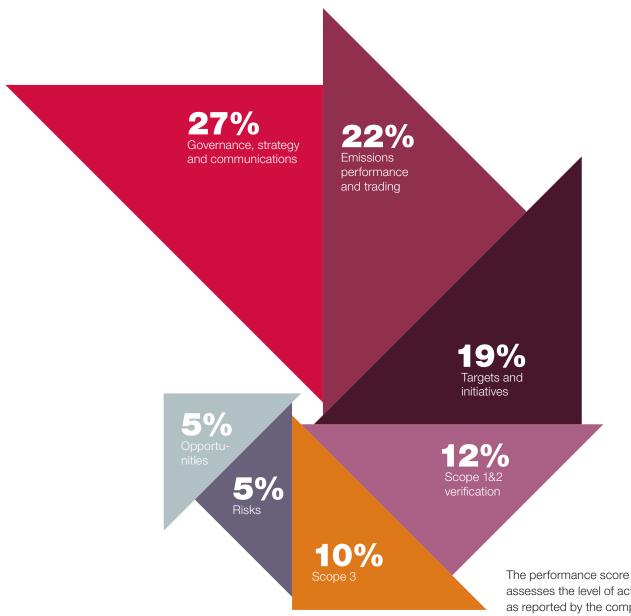
Relative weight of elements in determining the disclosure score

The disclosure score assesses the completeness and quality of a company's response. Its purpose is to provide a summary of the extent to which companies have answered CDP's questions in a structured format. A high disclosure score signals that a company provided comprehensive information about the measurement and management of its carbon footprint, its climate change strategy and risk management processes and outcomes.



<50% disclosure = not scored for performance





How the performance score is calcaulated

Performance points earned
Performance points available

X 100 = Performance score % = Performance band

A to E

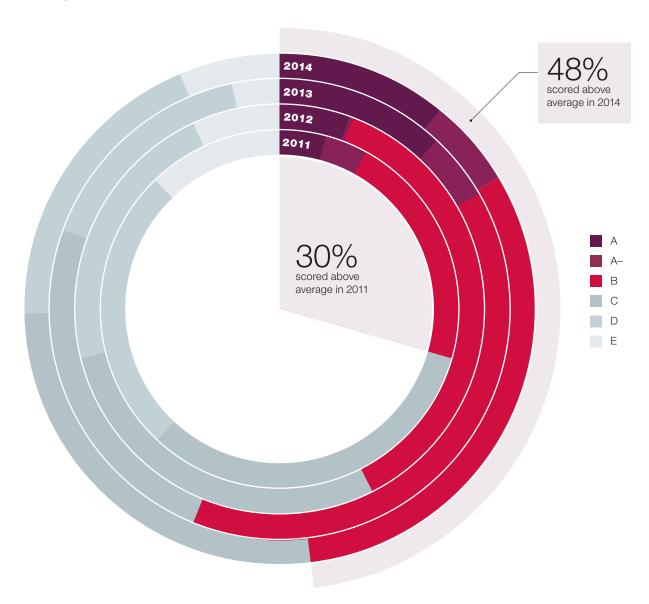
assesses the level of action, as reported by the company, on climate change mitigation, adaptation and transparency. Its intent is to highlight positive climate action as demonstrated by a company's CDP response. A high performance score signals that a company is measuring, verifying and managing its carbon footprint, through actions such as setting and meeting carbon reduction targets and implementing programs to reduce emissions in both its direct operations and supply chain.

CDP performance bands for the S&P 500 have improved dramatically over the past three years.

Whereas in 2011, just 30% of S&P 500 companies achieved high performance bands of A, A- or B, that percentage increased to nearly half, at 48%, in 2014. Moreover, the improvement in performance occurred during the same period that CDP markedly increased the minimum point percentage thresholds for achieving

each CDP performance band: for an A or A-, from 71 to 86, for a B from 51 to 61, for a C from 31 to 41, and for D from 16 to 21. Companies achieving a performance band of A are included in CDP's annual Climate Performance Leadership Index (CPLI).⁷

Figure 2. CDP performance bands for the S&P 500 have improved dramatically over the past three years CDP performance bands, 2011–2014



⁷ Companies that achieve a performance score high enough to warrant inclusion in the CPLI, but do not meet all of the CPLI requirements are classified as performance band A– and are not included in the CPLI. See page XX for CPLI criteria.

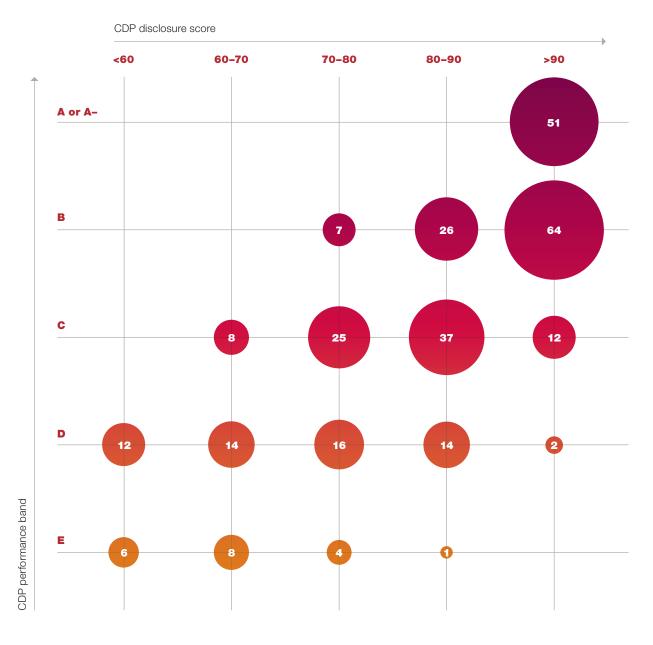
Disclosure lays the foundation for performance

It is not surprising to see a strong overlap between CDP disclosure scores and performance bands based on responses to the CDP Climate Change questionnaire for the 2014 CDP S&P 500. Although not a prerequisite to achieving emissions reductions, in CDP's experience of engaging with thousands of companies over the past 15 years, companies typically utilize the CDP climate change questionnaire as a strategic framework to identify areas across company operations, supply chains

and products and services where it may make sense to take action to reduce emissions. Performance bands measure action towards mitigation of emissions such as setting targets, investing in emissions reduction activities and reducing the emissions intensity of operations. The strong relationship between CDP disclosure scores and performance bands illustrates the importance of measurement and transparency as a foundation for meaningful action on climate change.⁸

Figure 3. Strong correlation between disclosure score and performance bands

Number of companies by disclosure score and performance band, 2014



⁸ Companies that achieve a performance score high enough to warrant inclusion in the CPLI, but do not meet all of the CPLI requirements are classified as performance band A– and are not included in the CPLI. See page XX for CPLI criteria.





The financial implications of CDP data

The financial implications of CDP data

In this report, we offer investors our analysis of the financial implications of CDP data based on the relationship between corporate climate change management, disclosure and performance alongside measures of corporate profitability and equity valuation. We summarize trends in CDP data and illustrate examples of the financial links to climate change leadership. Our analysis of the 2014 CDP S&P 500 2014 data is consistent with our findings globally in 2013 —industry leadership on climate change is linked to financial measures of corporate profitability.

CDP's role as secretariat to 767 investors

At its core, CDP serves as a vehicle between capital, represented by 767 investors with \$92 trillion in assets, and corporations, who issue equity and debt securities to investors to fund their operations. These operations, whether in oil production, electricity generation, financial services, technology or manufacturing, rely on natural capital, such as energy and water, and impact our environment, including greenhouse gas emissions to the atmosphere. This has only become more important in 2014 and investors are becoming more aware than ever of the necessity of high-quality information on how companies are mitigating the risks from climate change—risks which in many cases were exacerbated by extraordinary weather events across multiple geographies, including extreme drought in California and devastating typhoons in the Philippines.

Sustainable growth of a lower-carbon economy

Investors access CDP data through a variety of means, including through more than 7.5 million downloads from Bloomberg terminals annually. CDP provides the capital markets with this critical environmental data infrastructure to enable informed investment analysis. The challenges presented by climate change and natural resource scarcity are beyond what any single government can confront alone. CDP therefore leverages the power of the markets to allocate capital to power the sustainable growth of a lower-carbon economy.

The definition of a lower-carbon economy is straightforward—to maximize gross domestic product (GDP) and job growth while minimizing carbon emissions and detrimental impacts to the atmosphere. But how can sustainable growth be defined as it relates to large capitalization companies in the S&P 500? Investment professionals rely on a financial definition¹¹ to estimate the rate of corporate growth:

Sustainable growth = return on equity × reinvestment,

where return on equity (ROE) is the key determinant of long-term value creation, given it encapsulates company profit margins, asset turnover, and debt to equity ratios. The question we

At a minimum, CDP data suggests that there is no penalty to corporate profitability for establishing climate change reporting, governance and management systems and taking action on climate change.

address in the pages that follow is whether companies can take action towards achieving a lower carbon economy while also generating sustainable growth.

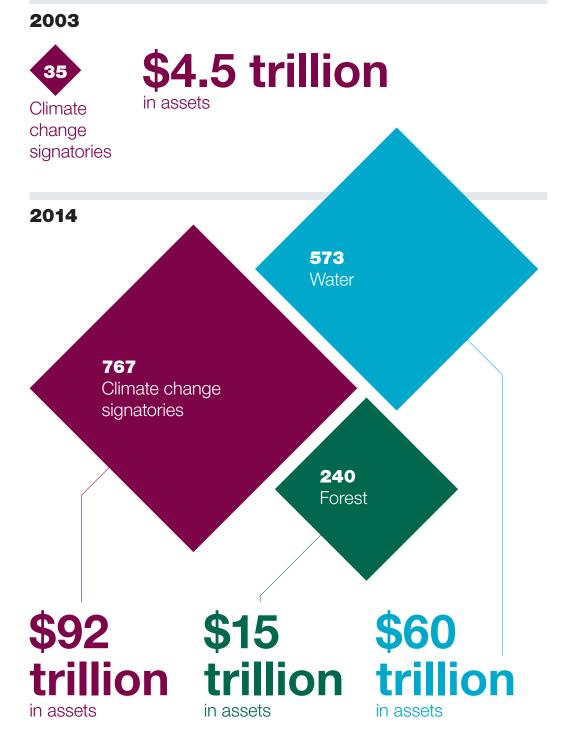
We compare 2014 CDP S&P 500 disclosure and performance¹² versus industry peers across a number of financial measures of management quality, including return on equity, earnings stability, and dividend growth. Our analysis focuses on peer-relative CDP disclosure and performance scores to assess industry leadership on climate change.¹³ We percentile rank each score on a peer-relative basis and sort it into quartiles by GICS¹⁴ Level II Industry Group (where first quartile (Q1) = highest CDP score, fourth quartile (Q4) = lowest CDP score, and NR = no response).

Superior-quality management

We find that US corporate leaders on climate change management, as measured by S&P 500 peer-relative CDP disclosure and performance, have generated superior return on equity, more resilient earnings, and stronger dividend growth than their peers. At a minimum, CDP data suggests that there is no penalty to corporate profitability for establishing climate change reporting, governance and management systems and taking action on climate change.

We do not suggest a causal relationship between present day leadership on a long-term issue such as climate change and short-term financial performance based on the data available. However, we do believe it is rational to posit that extraordinarily profitable companies are likely engaging on climate change in defense of their industry-leading ROE. By integrating climate change risk management into strategic planning, responding to CDP and taking action towards emissions reductions, companies are simply demonstrating a long-term view of how to best manage the assets of shareholders. Our analysis serves only to hold a mirror up to companies, and that has revealed a third variable is present—superior-quality management reflected through higher CDP scores and higher financial performance.

Figure 4. CDP investor signatories and assets 2003-2014



- 9 All data is sourced from CDP and Bloomberg, unless otherwise noted.
- 10 Kahn, B. and Fox, M. "Linking Climate Engagement to Financial Performance: An Investor's Perspective." (September 23, 2013). http://www.sicm.com/docs/ CDP_SICM_VF_page.pdf
- 11 Higgins, Robert (1977): How much growth can a firm afford?, Financial Management 6 (3) p. 7–16.
- 12 For details of the 2014 CDP Climate Change scoring methodology, please visit: https://www.cdp.net/Documents/Guidance/2014/CDP-2014-Climate-Change-Scoring-Methodology.pdf
- 13 In this report, we refer to industry leaders as S&P 500 companies with 2014 CDP disclosure scores and/or CDP performance bands that rank in the first quartile versus peers by GICS Industry Group, where:
 Q1 = first quartile (top 25% of responding companies by industry group);
 Q2 = second quartile;
 Q3 = third quartile;
 - Q4 = fourth quartile (bottom 25% of responding companies by industry group); and
 - Non-responders include: declined to participate; no response; provided information but did not answer questionnaire to CDP in 2014.
- 14 Global Industry Classification Standard updated as of February 28, 2014: https://us.spindices.com/search/?Content-Type=GICSMaps

Corporate profitability: Why we focus on ROE

One of the most universally applicable measures of management quality and corporate profitability is return on equity ("ROE"), the ratio of net income to shareholder's equity. When management earns a high ROE, the company increases the equity investment of shareholders. In the simplest terms, ROE measures how many cents of profit management can produce for every \$1 of shareholder's equity. Over the long-term, the markets reward high-quality management that maximizes returns on shareholders equity with gains in stock price.

S&P 500 industry leaders on 2014 CDP disclosure and performance generate significantly higher return on equity than peers

Given the emphasis investors place on maximizing corporate profits, it is notable that CDP industry leaders generate higher

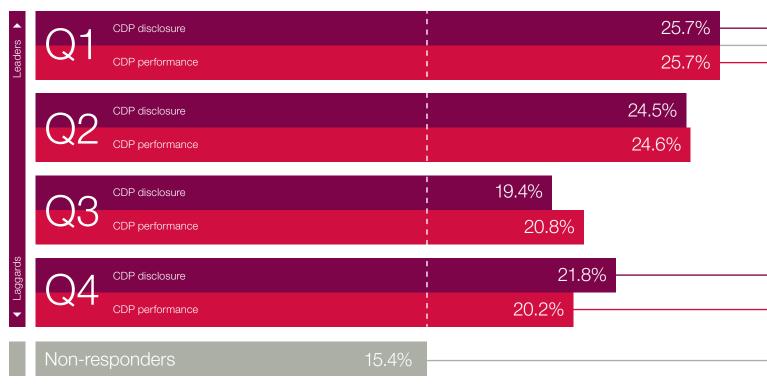
ROE (Fig. 2). Q1 industry leaders on 2014 CDP disclosure stand out versus peers with average ROE of 25.7%—which is 18.4% higher than Q4 industry laggards at 21.8% ROE.

And performance matters—the gap in profitability widens when we analyze CDP performance figures where Q1 industry leaders generate average ROE of 25.7%—which is 27.2% higher than Q4 industry laggards at 20.2%. Also significant is that Q1 industry leaders on both CDP disclosure and performance generate 67% higher ROE than the lower level of profitability generated by non-responding companies at 15.4%.

The data suggests that US corporate climate change management, as measured by CDP disclosure and performance versus industry peers, reflects higher-quality management, as measured by return on equity.

Figure 5. Q1 industry leaders outperform industry laggards and non-responding companies by a significant margin. Higher CDP score is associated with higher ROE.

Return on equity



15 Vick, T. "Picking Stocks the Buffett Way," AAll Journal, April 2001 http://www.aaii.com/journal/article/picking-stocks-the-buffett-way-understanding-return-on-equity

The primary test of managerial economic performance is the achievement of a high earnings rate on equity capital employed.

Warren Buffet1979 Berkshire Hathaway annual report

Q1 industry disclosure leaders' ROE is **18.4%** higher than the ROE of Q4 industry laggards.

Q1 industry performance leaders' ROE is **27.2%** higher than the ROE of Q4 industry laggards.

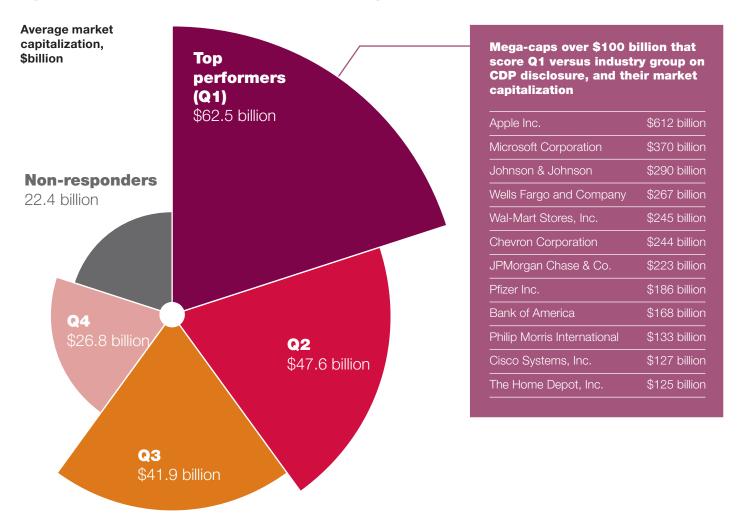
Q1 industry leaders generate **67%** higher ROE than non-responding companies.

Size matters: The largest take the lead

In 2006, CDP sent its climate change questionnaire to the S&P 500 for the first time, targeting the largest companies in corporate America. At the time, the consensus feedback from investor signatories indicated that large-cap companies were the most appropriate CDP sample given the significant resources at their disposal to address climate change in their operations. Eight years later, the largest of the large-caps are leading their industries. Companies that rank in the top quartile versus industry group peers (e.g., Q1 in Figure 6) are more than 66% more valuable at \$62.5 billion average market capitalization versus the S&P 500 average of \$37.6 bn. Note that both non-responders to CDP (\$22.4 billion) and Q4 laggards by industry group (\$26.8 billion) are considerably smaller in relative terms. Examples of the largest companies by market capitalization (>\$100 billion) with Q1 CDP disclosure scores in 2014 include Apple, Microsoft, Johnson & Johnson, Walmart and Wells Fargo (per Figure 5).

Companies that rank in the top quartile versus industry group peers are more than 66% more valuable versus the S&P 500 average.

Figure 6. Q1 industry leaders on CDP disclosure are larger by market capitalization



Over the long term, Apple is making a conscious decision to be more transparent and expansive in its sustainability efforts, including those directly related to climate change, as we believe it's a significant problem that may affect our operations, suppliers, partners and customers, and we are taking action to address it.

-Apple Inc.

Our goal to eliminate 20 million metric tons of GHG emissions from our global supply chain by the end of 2015 is purposely aggressive. Seizing the opportunity to leverage our size and scale to positively impact the world requires innovation. In our supply chain and in the products we sell, to date, we've eliminated more than 7.575 mmt of GHG emissions.

-Wal-Mart Stores, Inc.

Our environmental commitment will support our business growth, promote a greener global economy and address climate change while helping our clients meet their own sustainability objectives. This will contribute to our top-line growth and position us to capitalize on the longer term opportunities that exist. All this should serve to give us a strategic advantage in our industry and deliver long term value for our shareholders.

-Bank of America

Consideration of GHG issues are integrated into Chevron's strategy, business planning and risk management tools and processes. We consider carbon costs when forecasting long-range supply, demand and energy prices, and we thoroughly assess a range of potential future policy and economic growth outcomes. These analyses affect our investment decisions and capital project approvals worldwide.

-Chevron Corporation

Results of our progress towards our Healthy Future 2015 goals have not only positively impacted the environment but also have resulted in competitive advantage by reducing our operating costs. For example, as a result of investing in various projects in 2012 that increase energy efficiency and solar photovoltaic capacity, we achieved estimated cost avoidance of approximately \$3 million in 2013 alone.

-Johnson & Johnson

Climate change and sustainability are key components of The Home Depot's business strategy. We have aligned our strategy of controlled profitable growth with net impact reduction creating the model of a dual "value-driven" company, both in shareholder value and in resource conscience values.

-The Home Depot

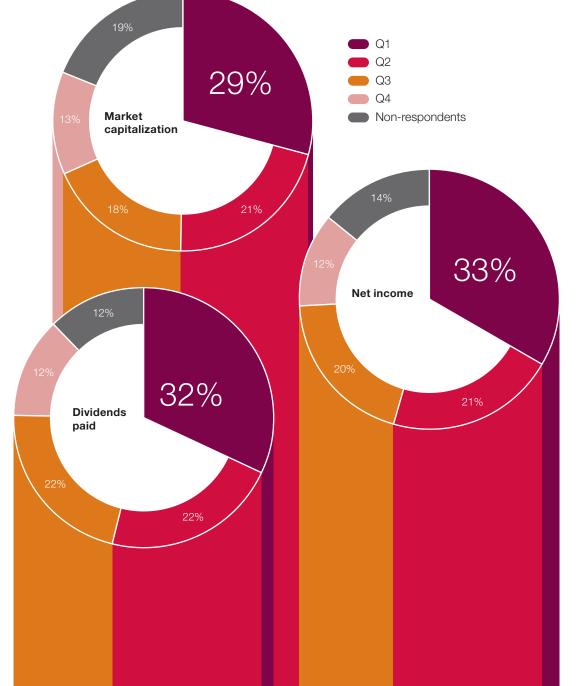
Further, companies that rank in the top quartile versus industry group peers (e.g., Q1 in figure 7 below) not only account for 29% of market capitalization of the S&P 500, but also hit above their weight in proportion of net income at 33% and dividends at 32%. The financial weight of CDP leaders is not easily dismissed—these are astounding figures for just 87 companies (17.4% by number) of the S&P 500.

When we disaggregate the data by sector, we note that the correlation between CDP disclosure scores and ROE is highest in traditionally defensive sectors¹⁶ that are characterized by

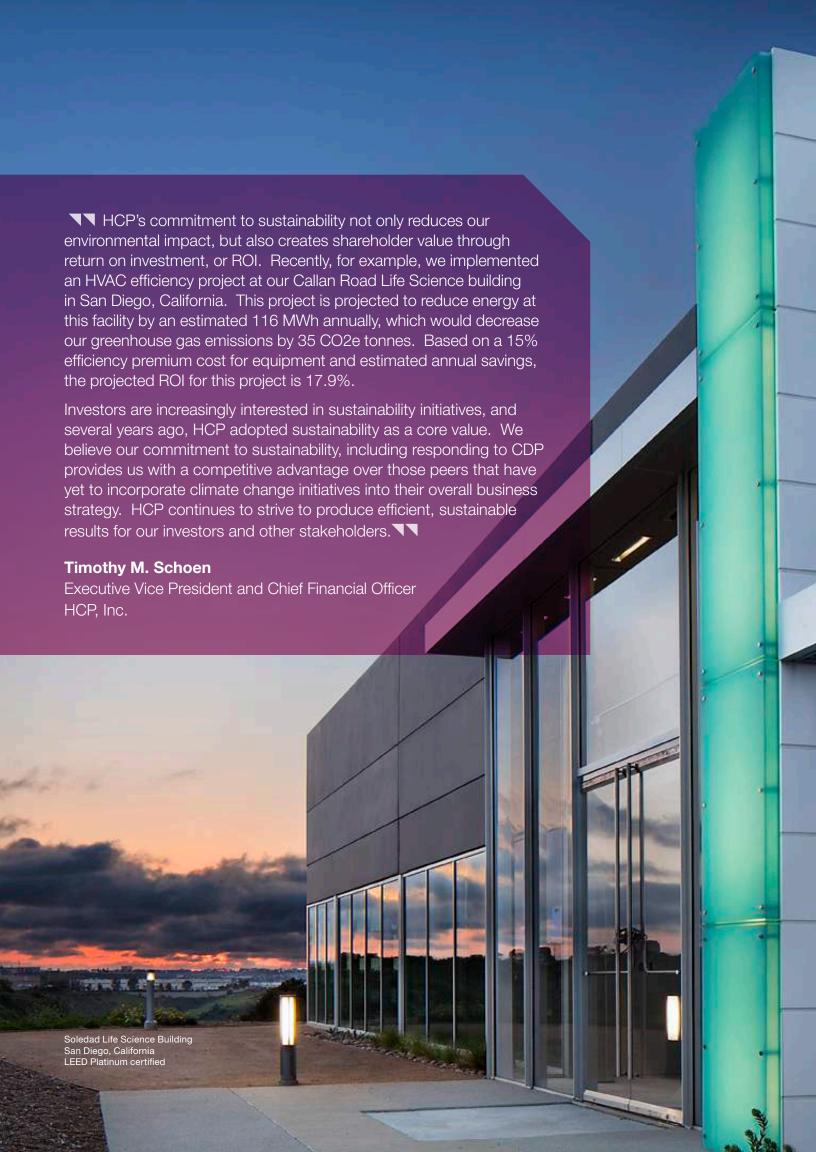
predictable cash flow generation and low market betas¹⁷ below 0.8 (where 1 = beta of the market). The correlation coefficient between 2014 CDP disclosure scores and ROE exceeds 20% in consumer staples and health care.

The lower the sector beta, the higher relationship between CDP disclosure scores and ROE. A notable exception is the utilities sector, which has the lowest dispersion of returns given the highly regulated nature of ROE in the US, which is capped by state. Utilities are a notable outlier given the sector accounts for the largest proportion (29%) of global emissions reported to CDP.¹⁸

Figure 7. Q1 industry leaders account for a significant portion of market cap, earnings and dividends



- 16 A defensive sector refers to a section of the economy characterized by stable earnings, reliable dividends and low correlation to economic activity.
- 17 Beta (b) is a measure of a stock or portfolio that describes the correlated volatility of an asset in relation to the volatility of the benchmark that the asset is being compared to where 1 = beta of the market.
- 18 CDP Carbon Action: "Lower emissions, higher ROI: the rewards of low carbon investment." (2013). Page 6. https://www.cdp.net/ CDPResults/Carbon-action-report-2013.pdf



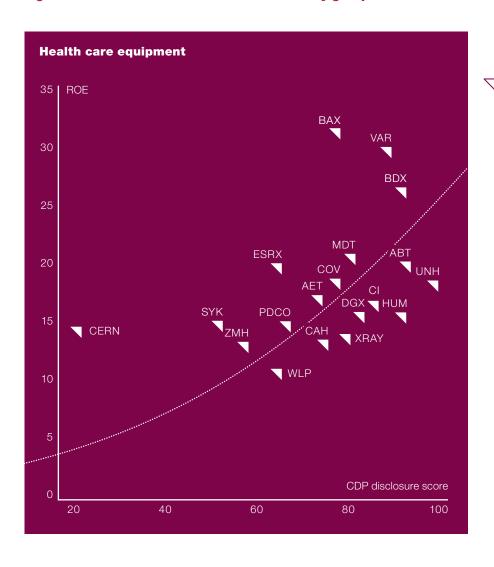
Examples by industry group

In addition to the broad relationship between CDP disclosure, performance and ROE across the S&P 500, there are also discernible correlations at the company level in many industry groups. Four industry groups stand out—Health Care Equipment, Real Estate, Transportation and Consumer Durables & Apparel. For example, ROE is correlated to disclosure in Health Care Equipment and Real Estate, where services firm CBRE Group

scores in the first quartile on both disclosure and performance and has average industry-leading ROE of 22%.

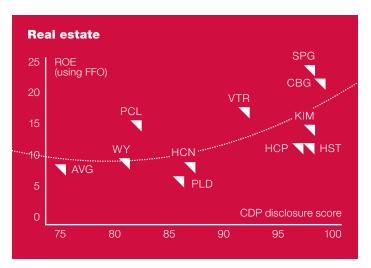
The link between ROE and CDP performance is most apparent in Transportation and Consumer Durables & Apparel, where VF Corp scores highest on CDP performance (Fig. 8).

Figure 8. CDP scores vs. ROE in select industry groups



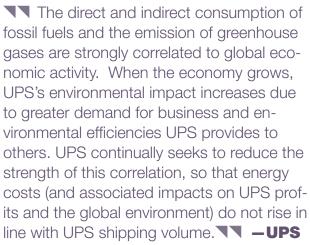
We are currently developing a modified capital investment strategy to include a relaxed ROI criteria for projects with energy savings or increased renewable energy. This framework will also likely incorporate the total cost of ownership for capital equipment. To date, this opportunity has been managed by implementing projects with significant energy/water/waste savings, which has contributed to approximately \$25 million in costs savings since 2008. In 2013, we implemented several projects that will have approximately \$5.6 million in annual savings.

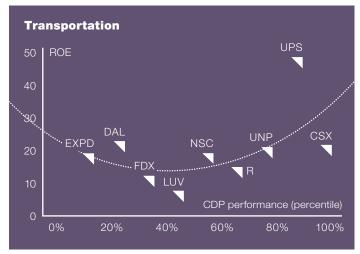
Becton, Dickinson and Co.

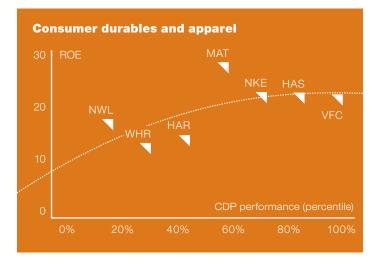


CBRE's Sustainability Programs Group assists CBRE clients in navigating the LEED rating system by embedding long-term, sustainable best practices at both the individual building and portfolio level. Through this program, nearly 60,648 metric tonnes of CO₂ emissions were avoided annually from 2009 to 2012.

-CBRE Group, Inc.







We think long-term about our investments in energy efficiency and have recently forecasted our energy use through 2020. By doing this, we understand the implications of our energy use on costs and emissions of greenhouse gases and can act appropriately invest our capital and set goals to reduce these impacts (2.2a).

- VF Corporation



Figure 9. Companies with supranormal returns (>80%), and their CDP scores

		Disclosure score	Performance band	3-year ROE
CDP leaders who scored in G	Quartile 1 or 2			
Philip Morris International	Food, beverage & tobacco	96 (Q1)	A (Q1)	460%
Mead Johnson Nutrition Company	Food, beverage & tobacco	92 (Q2)	B (Q2)	418%
Lockheed Martin	Capital goods	98 (Q1)	A (Q1)	255%
Colgate Palmolive Company	Household & personal products	94 (Q1)	B (Q2)	101%
Pitney Bowes Inc.	Commercial & professional services	89 (Q2)	B (Q1)	96%
Boeing Company	Capital goods	97 (Q1)	B (Q1)	85%
	1 0	, ,	,	

Non-leaders

Moody's Corporation	Diversified financials	24 (Q4)	n/a (Q4)	223%
Alliance Data Systems	Software & services	responded	late	169%
Western Union Co	Software & services	20 (Q4)	n/a (Q4)	116%
Wynn Resorts, Liimited	Consumer services	declined to	participate	112%
Linear Technology Corp.	Semiconductors & semiconductor equipment	65 (Q3)	D (Q3)	108%
Altria Group, Inc.	Food, beverage & tobacco	85 (Q3)	B (Q3)	107%

Companies only receive a performance band if they earn more than 50% of disclosure points. For the purpose of analysis, companies without a performance band are included in Q4.

Note that at the industry group level, the S&P 500 sample size may be too small to draw specific conclusions, but the results could be explained by characteristics that differ from the broader sector. This suggests that further sector-by-sector analyses would benefit from larger sample sizes, such as expanding the CDP questionnaire in the United States to the S&P 1500 or Russell 1000.

Supranormal returns, where company ROE is more than two standard deviations from the mean, are observed in a small number of companies in the S&P 500. Twelve companies generated three-year average ROE exceeding 80% from 2011 to 2013—quadruple the S&P 500 median of 20%. Half of these (six of 12) scored above average (Q1 or Q2) on both CDP disclosure and performance (Fig. 9). Further, only one company, Wynn Resorts Limited, declined to participate.

It stands to reason that companies with this type of financial performance have the resources to lead on climate engagement. For example, Mead Johnson Nutrition company has implemented a Green Vision strategy and has committed to reducing GHG emissions by 35%, reducing energy use by 35%, reducing water usage by 45% and reducing waste to landfill to 60%. Lockheed Martin assessed more than 40 environmental, social and governance (ESG) issues and evaluated the impacts on their value chain, prioritizing reducing greenhouse gas emissions and energy use. Larger companies with outstanding financial performance have recognized the need to act and engage on climate change and have integrated these risks into their business strategies.

More stable earnings and stronger dividend growth

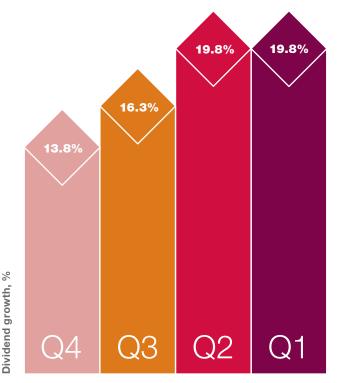
One of the hallmarks of high-quality companies is earnings resilience over economic cycles. Consistent with our observation of higher ROE generated, we also observe a higher degree of earnings stability over the past decade by companies with industry-leading CDP disclosure scores. Between 2004 and 2013, Q1 industry leaders on CDP disclosure measured a 50% lower coefficient of variation, 18 a statistical measure of annual earnings volatility, where lower is better (more stable) and higher is more volatile. Figure 10 illustrates the increased earnings stability of each quartile of CDP disclosure scores by industry group where Q1 industry leaders on climate change management have generated more resilient earnings than Q4 industry peers.

We also observe that Q1 industry leaders on CDP disclosure scores delivered stronger dividend growth¹⁹ averaging 19.8% to investors from 2010 to 2013 (Fig. 11). This compares favorably to lower scoring Q4 peers at 13.8%. The ability of companies to grow dividends to shareholders can be viewed as another strong reflection of management quality. Taken in tandem, the increased earnings stability and stronger dividend growth of Q1 industry leaders on CDP disclosure supports the link between ROE and profitability.

Figure 10. Earning stability by industry quartile of 2014 CDP disclosure scores (inverse of coefficient of variation), 2004–2013



Figure 11. Dividend per share growth by industry quartile of 2014 CDP disclosure scores (3-year CAGR, 2010–2013)



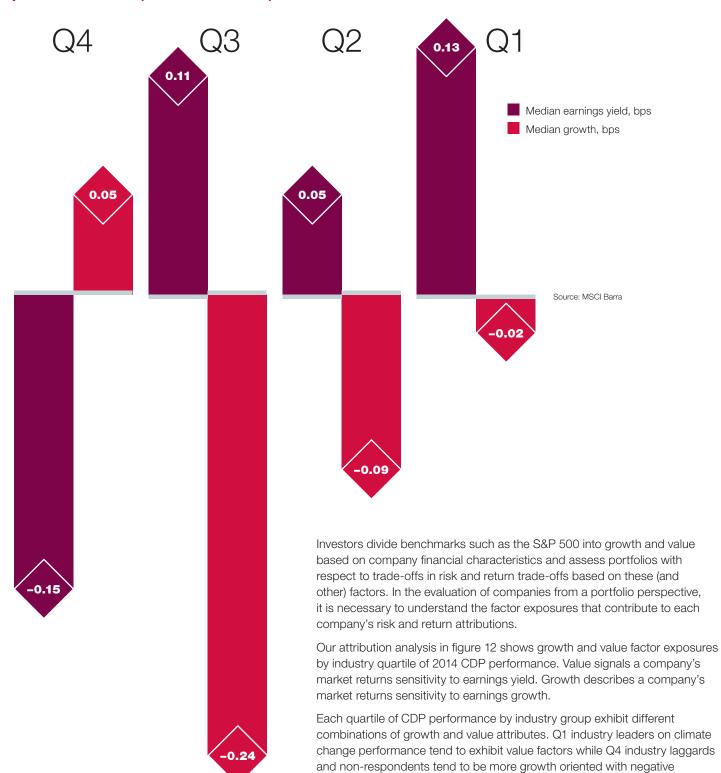
CDP disclosure score by industry quintile, 2014

¹⁸ Earnings stability refers to the coefficient of variation of annual operating income calculated as the ratio of the standard deviation relative to the mean (ten-year stdev and mean, 2004-2013), where lower is better (more stable) and higher is more volatile. We excluded Financials and Automobiles in this calculation due to the extreme volatility and negative earnings during the 2008 financial crisis and subsequent recovery.

¹⁹ Dividend growth calculated as the compound annual growth rate in dividend per share (three-year CAGR, 2010-2013).

CDP performance leaders exhibit attractive value attributes

Figure 12. Factor exposures (basis points) by industry quartile of CDP performance scores, as of December 31, 2013



value attributes.

carbon economy.

The value orientation of industry leaders on climate change performance is consistent with our observations of higher return on equity, more stable earnings, and stronger dividend growth. This confirms our earlier view that the leading companies are shifting their business strategy towards a low-

Valuation: Is climate leadership priced in?

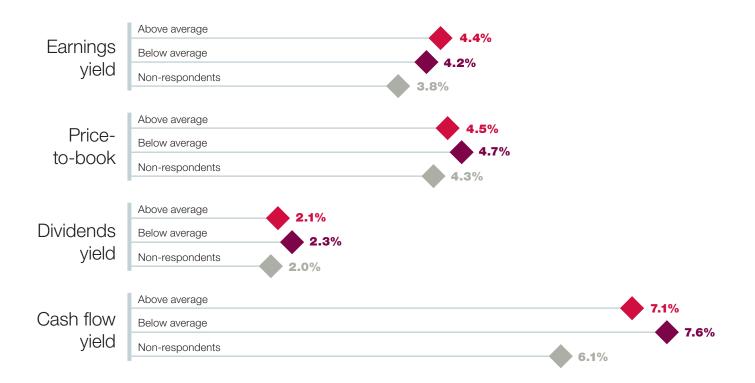
The focus on energy efficiency and GHG emissions reductions reduces Praxair's risk from higher energy costs, and is a significant contributor to our operational and financial results and Praxair's industry leading operating margin and return on capital.

-Praxair, Inc.

The market opportunity for investors who incorporate corporate climate change leadership into their evaluation of companies may be significant over time. Our analysis supports the widely held view that climate change leadership does not appear to be appropriately priced by the equity markets. ²⁰ We observe no discernible market premium ascribed to companies that lead on 2014 CDP disclosure and/or performance scores. We analyzed traditional valuation measures including earnings yield (E/P), price-to-book (P/B), dividend yield and cash flow yield (CF/P) for the S&P 500. No clear pattern emerges from the data by quartile or simply sorting companies into those above and below average by industry group.

Those scoring above average on CDP performance trade at a 4% discount on earnings yield at 4.4% versus companies below average at 4.2%. The difference in P/B ratios (4.5× versus 4.7×), dividend yields (2.1% versus 2.3%) and cash flow yields (7.1% versus 7.6%) are not statistically significant. While there is no clear pattern in the data to suggest that the equity markets "value" CDP disclosure and performance, we believe this presents an opportunity for investors who integrate climate change performance in their analysis of US companies as the market has yet to price climate change leadership.

Figure 13. Valuation by earnings yield, price-to-book, dividend yield and cash flow yield, trailing 12 months



²⁰ Prices in this report as of 1 August 2014.

Conclusion: Why link between CDP and ROE matters

As representatives from all nations gather in New York for the September 2014 United Nations Climate Summit, we believe it is critical to emphasize that America's largest and most profitable listed companies are taking leadership on climate change in defense of their profitability.

CDP data for the 2014 S&P 500 suggests a link between strong management of climate change and profitability. S&P 500 industry leaders on CDP disclosure have generated 67% higher return on equity with 50% more earnings stability and 21% stronger dividend growth than lower-scoring peers. That the markets have yet to price climate change leadership presents an opportunity for long-term investors who integrate CDP data in their evaluation of companies today.

Given the failure of government regulators to enact binding climate change legislation in the US to date, S&P 500 companies operate in a regulatory vacuum. The fact that 70% choose to voluntarily disclose their carbon emissions, climate change governance and actions to reduce emissions is noteworthy. But it is not enough. If we are to avert the effects of dangerous climate change, a stepchange in the size and scope of emissions reductions is needed as we approach the scientific consensus point of no return at 450 parts per million.

It is our hope that evidence linking leadership on CDP disclosure and performance to financial measures of profitability attractive to investors will help equip out nation's corporate leaders with a financial argument to confront cynics and motivate companies to take meaningful action on climate change.

We believe that our climate change efforts and transparency improve our bankability and are attractive for investors and customers. At the same time, we benefit from growing expertise on climate change issues and the widening of our product portfolio, as well as from an improved risk management approach. Unum's commitment to social and environmental responsibility and good reputation as a proactive and responsible player has positioned us advantageously among our competitors.

-Unum Group

Successful execution of a credible sustainability and climate change strategy can both improve a company's operating performance (e.g., by reducing costs) and increase stakeholder trust in the company's governance and brand. We believe that we have an opportunity to enhance the company's reputation and brand among key constituencies (such as investors, customers, employees, civil society, and host communities) and thus to create greater long-term value for our owners.

-Comerica Incorporated

Kevin Parker

CEO, Sustainable Insight Capital Management

Climate change data is of vital importance to the mainstream investor. The CDP S&P 500 Climate Change Report 2014 is a reflection of transparent and proactive management of climate change risks by corporate managers. The report results continue to confirm a shift on the part of enlightened corporate managers—disclosing climate change management strategies and demonstrating industry leading performance on climate matters is associated with leading financial performance including superior return on equity, more resilient cash flow generation and stronger dividend growth than peers. Investors should take note that the debate has squarely moved from the moral to the material and should reward climate leaders with higher valuation multiples.

However, markets may be inefficient and currently may not be accurately pricing securities to reflect the growing pressures businesses are experiencing. Hence the inconclusive results of the valuation premiums revealed in the analysis, where leaders have no real valuation premium over laggards—despite the superior financial accounting performance.

This year's report is a strong step forward in demonstrating climate leadership by incorporating both CDP disclosure and performance scoring measurements. This enables investors to continue to refine their views on corporate actions around climate change. Actions such as energy efficiency investments, usage of renewable power and supply chain management are all examples of how companies are investing, reducing greenhouse gas emissions and realizing strong returns on their investments. It is not surprising that these actions are also associated with strong financial performance.

Our continued commitment to fostering the re-pricing of climate risk is bolstered by the efforts of the CDP. The data collected by CDP provides investors critical inputs into their investment process, including alpha signals as well as risk factors. We urge companies to continue to improve their CDP disclosure and performance on climate change and investors will continue to evaluate these businesses with this information in mind.



Investors should take note that the debate has squarely moved from the moral to the material and should reward climate leaders with higher valuation multiples.



CDLI and CPLI

Disclosure leadersClimate Disclosure Leadership Index



Company	Score	Both indices	Years on S&P 500 CDLI
Consumer discretionary			
Best Buy Co., Inc.	98		777
General Motors Company	100	0	New
TJX Companies, Inc.	98		7777
Twenty-First Century Fox	99		777777
Wyndham Worldwide Corporation	97	0	**
Consumer staples			
Constellation Brands, Inc.	97		New
Estée Lauder Companies Inc.	98		11
Wal-Mart Stores, Inc.	98	0	77777
Energy			
Hess Corporation	100		777777
Spectra Energy Corp	100	0	******
Financials			
Allstate Corporation	97		77777
Bank of America	100	0	11111
BNY Mellon	100	0	777
CBRE Group, Inc.	99		77
Goldman Sachs Group Inc.	98	0	7777
HCP, Inc.	97		77
Host Hotels & Resorts, Inc.	98	0	New
JP Morgan Chase & Co.	97		77
Kimco Realty	98		New
Legg Mason, Inc.	99		777
Marsh & McLennan Companies, Inc.	98		777
Morgan Stanley	99		77777
Northern Trust	97		New
Principal Financial Group, Inc.	99	0	New
Simon Property Group	98	0	111111
Unum Group	99		77
Wells Fargo & Company	97	0	77777
Health care			
Bristol-Myers Squibb	98		7777
Johnson & Johnson	99		77777
UnitedHealth Group Inc.	99		77

Company	Score	Both indices	Years on S&P 500 CDLI
Industrials			
Boeing Company	97		77777
CSX Corporation	98	0	7777
Eaton Corporation	97		777777
Lockheed Martin Corporation	98	0	777
Norfolk Southern Corp.	98		New
Northrop Grumman Corp	98	0	77
Raytheon Company	97		77
Stanley Black & Decker, Inc.	100	0	New
Union Pacific Corporation	99		77
UPS	100		*****
Waste Management, Inc.	97		New
Information technology			
Adobe Systems, Inc.	99	0	777
Akamai Technologies Inc	97	0	77
Apple Inc.	99	0	44
Autodesk, Inc.	100	0	7777
Cisco Systems, Inc.	100	0	******
EMC Corporation	100		******
Hewlett-Packard	100	0	*****
Juniper Networks	99	0	77
Microsoft Corporation	99	0	777
Motorola Solutions	98		New
NetApp Inc.	97		New
Symantec Corporation	97		44
Materials			
Air Products & Chemicals, Inc.	99		*****
International Flavors and Fragrances Inc.	97		New
Praxair, Inc.	100		******
Sealed Air Corp.	97		New
Sigma-Aldrich Corporation	99		777
The Mosaic Company	99	0	44
Utilities			
Entergy Corporation	99	0	*****
Exelon Corporation	100		11111
Pepco Holdings, Inc.	100	0	77777
Sempra Energy	98		7777

Performance leaders Climate Performance Leadership Index



Company	Both indices	Years on CPLI*
Consumer discretionary		
DIRECTV		New
General Motors Company	0	New
Johnson Controls		11
Wyndham Worldwide Corporation	0	New
Consumer staples		
CVS Health Corp		New
Philip Morris International		77
Wal-Mart Stores, Inc.	0	New
Energy		
Spectra Energy Corp	0	777
Financials		
Bank of America	0	77777
BNY Mellon	0	77
Comerica Incorporated		77
Goldman Sachs Group Inc.	0	77
Host Hotels & Resorts, Inc.	0	11
Principal Financial Group, Inc.	0	77
Simon Property Group	0	New
The Hartford Financial Services Group, Inc.		77
Wells Fargo & Company	0	777

Company	Both indices	Years on CPLI*
Industrials		
CSX Corporation	0	7777
Lockheed Martin Corporation	0	7777
Northrop Grumman Corp.	0	777
Stanley Black & Decker, Inc.	0	77
Information technology		
Accenture		New
Adobe Systems, Inc.	0	77
Akamai Technologies Inc	0	New
Apple Inc.	0	New
Autodesk, Inc.	0	777
Cisco Systems, Inc.	0	7777
Google Inc.		New
Hewlett-Packard	0	77
Juniper Networks, Inc.	0	New
Microsoft Corporation	0	77
Materials		
The Mosaic Company	0	77
Utilities		
Entergy Corporation	0	77
Pepco Holdings, Inc.	0	111

^{*} From 2010 to 2014. In 2010, CDP had a different methodology for scoring performance. However, performance leaders for that year are included in this total.

2014 leadership criteria

Each year, company responses are analyzed and scored against two parallel scoring schemes: performance and disclosure.

The performance score assesses the level of action, as reported by the company, on climate change mitigation, adaptation and transparency. Its intent is to highlight positive climate action as demonstrated by a company's CDP response. A high performance score signals that a company is measuring, verifying and managing its carbon footprint, through actions such as setting and meeting carbon reduction targets and implementing programs to reduce emissions in both its direct operations and supply chain.

The disclosure score assesses the completeness and quality of a company's response. Its purpose is to provide a summary of the extent to which companies have answered CDP's questions in a structured format. A high disclosure score signals that a company provided comprehensive information about the measurement and management of its carbon footprint, its climate change strategy and risk management processes and outcomes.

The Climate Performance Leadership Index (CPLI) and the Climate Disclosure Leadership Index (CDLI) capture the highest-scoring companies on performance and disclosure, respectively. Public scores are available on the CDP website and in CDP reports, through Bloomberg terminals, Google Finance and Deutsche Boerse's website.

What are the CPLI and CDLI criteria?

To enter the CPLI (Performance Band A), a company must:

- Make its response public and submit via CDP's Online Response System
- Attain a performance score greater than 85
- Score maximum performance points on question 12.1a (absolute emissions performance) for GHG reductions due to emission reduction actions over the past year (4% or above in 2014)
- Disclose gross global Scope 1 and Scope 2 figures
- Score maximum performance points for verification of Scope 1 and Scope 2 emissions
- CDP reserves the right to exclude any company from the CPLI if there is anything in its response or other publicly available information that calls into question its suitability for inclusion.

Note: Companies that achieve a performance score high enough to warrant inclusion in the CPLI, but do not meet all of the other CPLI requirements are classed as Performance Band A– but are not included in the CPLI.

To enter the CDLI, a company must:

- Make its response public and submit via CDP's Online Response System
- Achieve a score within the top 10% of the total regional sample population*
- * Note: while it is usually 10%, in some regions the CDLI cut-off may be based on another criteria, please see local reports for confirmation.

How are the CPLI and CDLI used by investors?

Good performance and disclosure scores are used by investors as a proxy of strong corporate climate change management or climate change performance.

Investors identify and then engage with companies to encourage them to improve their score. The 'Aiming for A' initiative which was initiated by CCLA Investment Management is driven by a coalition of UK asset owners and mutual fund managers. They are asking major UK-listed utilities and extractives companies to aim for inclusion in the CPLI. This may involve filing supportive shareholder resolutions for Annual General Meetings occurring after September 2014.

Investors are also using CDP scores for creation of financial products. For example, Nedbank in South Africa developed the Nedbank Green Index. Disclosure scores are used for selecting stocks and performance scores for assigning weight.

For further information on the CDLI and the CPLI and how scores are determined, please visit www.cdp.net/guidance.



Pathways to leadership

Pathways to climate change leadership

GOVERNANCE

Strong governance sets the foundation for climate leadership. Board-level direct responsibility, combined with the integration of climate change into companies' business strategies, indicates that leading companies are aware of climate issues and the strategic importance they represent at every level of decision making. Leaders that provide employees with monetary incentives for managing climate-related issues drive this point home by directly linking climate objectives to business objectives.

RISK MANAGEMENT PROCEDURES

Strong risk management is a product of strong govern

Strong risk management is a product of strong governance. Implementing robust risk management procedures helps leaders identify, evaluate and monitor potential climate change risks and opportunities. Leaders consider risks and opportunities over a longer time horizon (3 years or greater), have more frequent monitoring (annually or more frequently), and close the loop by reporting the results back up to the board.

OPPORTUNITIES

Through robust risk and of

4

5

6

Through robust risk and opportunity management, leading companies can discover climate change opportunities that have the potential to generate a substantive positive shift in business operations, revenue and expenditure. Leaders are able to identify opportunities that can be realized in the short term (3 years or less) and can have a substantial impact for the company, with a virtually certain or very high likelihood of having that impact realized.

TARGETS AND EMISSIONS REDUCTION ACTIVITIES

Emissions reduction targets generate corporate incentives for climate action at every level of operations. Leaders are setting absolute reduction targets, investing significant amounts in activities to achieve those targets and realizing tangible monetary savings and meaningful emissions reductions.

VERIFICATION

Verification ensures high-quality emissions accounting. The verification process involves reviewing data collection and calculation procedures, allowing leaders to add value to their reporting and increase stakeholder confidence through the verification of all three scopes of emissions: direct, indirect and value chain.

ENGAGEMENT

Value-chain engagement encourages corporations to think beyond corporate boundaries. By evaluating impacts outside of direct operations, leading companies engage with actors at every level of the value chain including suppliers, customers and other partners.

REPORTING

Disclosing climate change management information in public communications demonstrates a clear commitment to transparency. Leaders take this commitment one step further by integrating climate and GHG performance information into mainstream financial reporting for investors to consider as part of their management and value proposition.

35% more likely to engage with suppliers

29% more likely to engage with the value chain

145% more likely to verify Scope 3 emissions

100% more likely to verify Scope 2 emissions







Glossary and appendix



Glossary

Beta (b)—A measure of a stock or portfolio that describes the correlated volatility of an asset in relation to the volatility of the benchmark that the asset is being compared to where 1=the market beta.

Capital expenditure—Funds used by a company to purchase, maintain or upgrade physical assets such as real property (land), plant (buildings) or equipment.

Cash flow from operations—The funds generated by a company's normal business activities (e.g., excludes sales of assets or investments and financing efforts), reflecting actual cash inflows and outflows related to revenue generation.

Cash flow yield—Cash flow from operations per share / stock price (or market value per share). The inverse of the P/CF ratio allows comparison of companies that have negative cash flow which would normally make the P/CF ratio insignificant.

CO₂e—Carbon dioxide equivalent.

Coefficient of variation—Measures the dispersion of data points around the mean and is used to standardize sets of data to make them comparable despite differences in their absolute values—the higher the coefficient of variation, the more variation there is in the data. The coefficient of variation is calculated by dividing the standard deviation of the data set by the mean.

Correlation—A relationship between variables which implies they are associated in some manner—this does not equate to cause and effect. Positive correlation means that when one variable increases the other one tends to increase. Negative (inverse) correlation means that when one variable increases the other tends to fall.

Correlation coefficient (r)—Measure of the strength and direction of a linear relationship. The value of r is always between negative one and positive one (-1 < r < +1).

Defensive industry—An industry whose revenue generation is less exposed to business cycles and is therefore seen as more stable, or defensive, by investors, including health care, utilities, telecoms, and consumer staples.

Dividend growth—Dividends are payments made by a company to its shareholders, generally on a quarterly basis, but they can be paid annually or randomly as well. Dividend growth is the year-over-year change in the total annual dividend paid to shareholders.

Dividend yield—Annual dividend per share / stock price (or market value per share). If dividends are paid quarterly, the annual dividend amount is based on the most recent quarterly dividend annualized.

Earnings stability—Volatility of cash flow refers to the coefficient of variation of annual income from operations calculated as the ratio of the standard deviation relative to the mean (ten-year stdev and mean, 2004–2013).

Earnings yield—EPS (i.e. earnings per share) / stock price (or market value per share). The inverse of the P/E ratio allows comparison of companies that have negative earnings which would normally make the P/E ratio insignificant.

GICS Level II Industry Group—The Global Industry Classification Standard (GICS) is a standardized industry classification system used by the financial community. It has four levels of detail: 10 sectors, 24 industry groups, 68 industries, and 154 sub-industries.

Market capitalization—Total market value of a company's equity.

Price-to-book value (P/B)—Stock price (or market value per share) / book value of equity per share.

Price-to-cash flow (P/CF)—Stock price (or market value per share)/cash flow per share.

Return on equity (ROE)—(Net income – preferred dividends)/ average total common equity.

Scope 1 emissions—All greenhouse gas (GHG) emissions that are directly from sources that are owned or controlled by the reporting entity.

Scope 2 emissions—All indirect greenhouse gas (GHG) emissions from the consumption of purchased electricity, heat or steam. Indirect GHG emissions are a consequence of the activities of the reporting entity, but occur at sources owned or controlled by another entity.

Scope 3 emissions—Other indirect emissions, such as the extraction and production of purchased materials and fuels, transport-related activities in vehicles not owned or controlled by the reporting entity, electricity-related activities (e.g. T&D losses) not covered in Scope 2, outsourced activities, waste disposal, etc.

Sustainability reporting—Reporting of environmental, social and governance (ESG) factors and metrics, the risks and opportunities they create for a business, the company's strategic plan for managing the risks and capitalizing on the opportunities, and its successes and failures in the execution of that strategy.

Sustainable investing—Integration of environmental, social and governance (ESG) factors into standard investment analysis.

Third-party verification and assurance—Audit and verification by a competent and independent organization that uses a standardized set of terms and methods.

Valuation premium—Refers to the excess value that investors assign to a company relative to its peer group, reflected in higher multiples (e.g., P/E, P/B, EV/EBITDA, etc.).

Appendix I

Scores, emissions, and company detail by sector

	Company	Ticker	2014 score	2013 score	Scope 1 emissions	Scope 2 emissions	Target(s) reported	Verification assurance
	Consumer discretionary							
l	Best Buy Co., Inc.	BBY	98 A-	98 A	216,634	496,043	abs	000
	Carnival Corporation	CCL	75 C	83 C	10,551,667	65,769	int	00
	CBS Corp.	CBS	41	24				
	D.R. Horton, Inc.	DHI	AQL	NR		Answered qu	uestionnaire late	
	Darden Restaurants, Inc.	DRI	89 B	74 C	376,313	722,810	int	000
	Delphi Automotive Plc	DLPH	77 C	78 C	72,603	579,592	int	
•	DIRECTV	DTV	93 A	91 B	101,236	94,584	abs	0 2 8
	Expedia, Inc.	EXPE	62 E	63 E		Respons	e not public	
	Family Dollar Stores, Inc.	FDO	87 D	75 D		Respons	e not public	
	Ford Motor Company	F	81 D	72 C	1,482,020	3,340,267	int	
	Gap Inc.	GPS	79 B	77 B	24,449	396,992	abs	
•	General Motors Company	GM	100 A	100 A-	2,802,461	5,613,573	abs int	028
	Goodyear Tire & Rubber Company	GT	74 C	78 B	1,226,653	1,895,713	int	
	H&R Block Inc	HRB	26	27	_	_		
	Harman International Industries Inc	HAR	78 C	72 D	2,830	43,517	int	
	Hasbro, Inc.	HAS	73 B	81 B	7,347	16,904	abs	0 2 6
	International Game Technology	IGT	AQL	NR		Answered qu	uestionnaire late	
	Interpublic Group of Companies, Inc.	IPG	28	21		Respons	e not public	
•	Johnson Controls	JCI	94 A	94 A-	862,617	1,443,211	abs int	028
	Kohl's Corporation	KSS	76 C	81 B	35,580	832,431	abs	
	L Brands, Inc.	LB	79 D	80 B	25,642	293,683		000
	Leggett & Platt, Inc.	LEG	20	22		Respons	e not public	
	Lowe's Companies, Inc.	LOW	85 D	85 D	335,731	2,623,838		
	Macy's, Inc.	М	33	23	_	_		,
	Marriott International, Inc.	MAR	85 C	81 B	665,155	2,800,632	[int]	,
	Mattel, Inc.	MAT	75 C	56 D	14,824	189,652	int	
	McDonald's Corporation	MCD	85 C	71 D	216,206	1,674,777	int	
	Newell Rubbermaid Inc.	NWL	50 E	57 D	25,863	285,207	int	
	News Corp	NWS	96 B	×	30,848	224,333	abs int	026
	NIKE Inc.	NKE	80 C	70 D		Respons	e not public	
	Nordstrom, Inc.	JWN	84 C	88 C			e not public	
	Omnicom Group Inc.	OMC	59 E	59 D	65,592	85,625		
	Scripps Networks Interactive Inc.	SNI	64 D	16		15,404		
	Staples, Inc.	SPLS	85 C	74 C	115.040	34,400	abs	
	Starbucks Corporation	SBUX	94 B	86 C	253,844	830,879	int	006
	Starwood Hotels & Resorts Worldwide, Inc	HOT	96 B	85 B	529,023	2,419,440	int	000
	Target Corporation	TGT	89 C	91 B	704,580	2,456,557	int	00
	The Home Depot, Inc.	HD	93 A-	99 A-	321,370	2,385,384	abs int	000
	Tiffany & Co.	TIF	94 C	91 C	2,670	43,866	abs	00
	Time Warner Inc.	TWX	63 E	AQL	17,383	242,119		
	TJX Companies, Inc.	TJX	98 B	98 B	83,059	696,943	int	0 2 6
	Twenty-First Century Fox	FOX	99 B	97 A-	48,365	158,120	abs int	000
	VF Corporation	VFC	90 B	87 B	84,702	178,783	int	00
	Viacom Inc.	VIAB	76 D	60 D	J+,1 0≥		e not public	
	Walt Disney Company	DIS	65 C	78 C	866,639	911,387	abs	
	Whirlpool Corporation	WHR	58 D	53 D	210,850	570,743	abs	
_	Wyndham Worldwide Corporation	WYN	97 A	84 B	103,690	326,119	int	00
4	Yum! Brands. Inc.	YUM	97 A 95 B	92 B	82,543	2,757,423	abs	00

Legend

▼ CDLI leader

▼ CPLI leader

AQL answered questionnaire late DP declined to participate IN provided information, but did not answer questionnaire
NR no response

information not available

company was not on S&P 500

Targets

abs absolute int intensity

Verification/assurance
 Scope 1
 Scope 2
 Scope 2

Appendix I Scores, emissions, and company detail by sector

Company	Ticker	2014 score	2013 score	Scope 1 emissions	Scope 2 emissions	Target(s) reported	Verification assurance
Consumer staples							
Altria Group, Inc.	MO	85 B	75 C	275,499	225,277	abs	0 2
Archer Daniels Midland	ADM	68 C	NR	14,832,646	2,820,056	int	
Avon Products, Inc.	AVP	83 D	86 B	63,452	85,055	[abs]	
Brown-Forman Corporation	BF/B	93 A-	93 A	100,378	67,634	[abs]	000
Campbell Soup Company	CPB	79 C	79 B	406,476	362,763	abs int	
Clorox Company	CLX	84 B	82 B	73,740	242,641	abs int	000
Coca-Cola Enterprises, Inc.	CCE	94 B	90 A-	112,225	82,356	abs int	026
Colgate Palmolive Company	CL	94 B	99 B	232,712	438,018	[int]	0 2 6
ConAgra Foods, Inc.	CAG	93 B	91 B	1,071,303	1,089,063	int	0 2 6
Constellation Brands, Inc.	STZ	97 B	85 B	139,130	52,833	int	0 2 6
CVS Health Corp	CVS	95 A	92 B	193,100	1,466,000	int	026
Dr Pepper Snapple Group Inc	DPS	85 B	88 B	249,446	160,649	int	026
Estée Lauder Companies Inc.	EL	98 A-	96 A	33,242	57,789	int	000
General Mills Inc.	GIS	80 B	78 B	291,606	771,157	int	0
Hormel Foods	HRL	74 C	68 D	919,287	594,055	abs int	
Kellogg Company	K	94 B	84 B	579,557	710,498	int	0
Kimberly-Clark Corporation	KMB	69 C	72 C	2,266,653	2,856,488	abs	000
Kraft Foods	KRFT	90 B	81 B	478,276	663,394	int	000
Kroger	KR	60 D	53 D	2,189,672	4,147,863		
McCormick & Company, Incorporated	MKC	84 C	83 C	23,391	63,855	int	
Mead Johnson Nutrition Company	MJN	92 B	85 B	50,152	117,669	int	00
Molson Coors Brewing Company	TAP	96 B	97 A-	206.749	123,415	int	000
Mondelez International Inc	MDLZ	87 B	91 B	1,080,025	988,185	int	000
PepsiCo, Inc.	PEP	90 B	94 B	3,823,000	1,958,000	abs	000
Philip Morris International	PM	96 A	94 B 97 B	420,207	408,200	abs int	00
<u>'</u>	PG	70 D	47	· · · · · · · · · · · · · · · · · · ·			
Procter & Gamble Company				2,767,000	2,971,000	int	00
Reynolds American Inc.	RAI	64 C	70 B	109,535	167,019	abs	00
Safeway Inc.	SWY	74 B	72 C	1,583,621	1,990,754	abs	
Sysco Corporation	SYY	80 D	66 C	782,856	336,832	int	•
The Coca-Cola Company	КО	83 B	90 A-	2,231,744	1,067,512	abs int	000
The Hershey Company	HSY	81 C	82 B	114,033	257,327	int	00
The J.M. Smucker Company	SJM	85 C	88 B	148,316	219,597	int	00
Walgreen Company	WAG	87 C	86 C	272,878	2,244,737	int	
Wal-Mart Stores, Inc.	WMT	98 A	94 A-	6,501,715	14,933,422	abs int	000
Whole Foods Market, Inc.	WFM	61 D	62 C	336,988	418,458		
Energy							
Anadarko Petroleum Corporation	APC	79 C	75 C	14,478,082	875,805		0
Apache Corporation	APA	75 C	70 C	8,400,000	1,500,000		
Baker Hughes Incorporated	BHI	89 B	90 B	436,000	374,000	int	026
Chevron Corporation	CVX	95 A-	97 A-	56,911,049	4,660,000	abs	006
ConocoPhillips	COP	89 B	83 B	25,761,226	1,625,188	abs int	000
CONSOL Energy Inc.	CNX	78 D	78 C	8,202,551	7,295,894		00
Devon Energy Corporation	DVN	82 B	86 B	7,644,606	991,054	int	0
Ensco International Incorporated	ESV	AQL	NR		Answered qu	estionnaire late	
EOG Resources, Inc.	EOG	34	AQL	5,786,809	<u></u>		
Exxon Mobil Corporation	XOM	76 C	80 B	134,000,000	14,000,000		0 6
Halliburton Company	HAL	58 D	65 D	2,625,754	252,699	int	
Hess Corporation	HES	100 B	97 B	6,023,190	508,448	abs int	000
Marathon Oil Corporation	MRO	AQL	NR	1,120,100		uestionnaire late	
Newfield Exploration Co	NFX	92 D	84 C	671,843	34,536	,0,,,0,,0,0,0	
Noble Energy, Inc.	NBL	81 C	76 C	2,912,516	31,653		
Occidental Petroleum Corporation	OXY	62 E	61 E	12,500,000	5,200,000		
Schlumberger Limited	SLB	84 C	83 C	1,790,000	430,000	[int]	
				1.790.00	4つい.いい		

Appendix I Scores, emissions, and company detail by sector

	Company	Ticker	2014 score	2013 score	Scope 1 emissions	Scope 2 emissions	Target(s) reported	Verification/ assurance
	Financials	ACE	00 D	00.4	10.747	40.700	(2004)	0 2 8
	ACE Ltd.	ACE AFL	93 B 87 B	93 A 85 B	13,747	40,702	abs int	00
_	AFLAC Incorporated	ALL	97 B	96 B	3,133	17,791	abs	000
_	Allstate Corporation	ALL	97 B 86 C	96 B 87 C	49,296		abs	000
	American Express				24,187	138,913	abs	
	American International Group, Inc.	AIG	62 D	62 D 0				
	Ameriprise Financial, Inc.	AMP	2 AQL	65 C	-	_		
	Aon plc	AUN		43		<u></u>	uestionnaire late	
	Assurant, Inc.		AQL	43 DP	00,000		uestionnaire late	
	AvalonBay Communities	AVB	75 D		38,088	43,444	abs	000
11	Bank of America BlackRock	BAC BLK	100 A 87 D	98 A 79 C	112,964	1,335,434		000
_	BNY Mellon	BK	100 A	100 A	9,917		e not public	000
1						206,479	abs	000
_	Capital One Financial	COF	79 C	71 C	16,829	232,703	[abs]	
	CBRE Group, Inc.	CBG	99 B	98 C	24,596	30,731	abs	000
	Charles Schwab Corporation	SCHW	67 D	55 E			e not public	
	Cincinnati Financial Corporation	CINF	77 C	71 C	17,274	18,315	-	6.0
	Citigroup Inc.	С	94 B	95 B	37,602	950,239	abs	00
•	Comerica Incorporated	CMA	93 A	94 A	8,019	67,820	[abs]	006
	Fifth Third Bancorp	FITB	95 C	86 D	16,714	101,350		000
	Franklin Resources, Inc.	BEN	92 C	86 C	8,852	28,429		
	Genworth Financial, Inc.	GNW	77 E	71 D	368	12,989		
₹ ₹	Goldman Sachs Group Inc.	GS	98 A	98 A	11,323	248,886	abs	000
4	HCP, Inc.	HCP	97 B	97 A-	29,325	223,136	abs int	00
	Health Care REIT, Inc.	HCN	87 C	88 D	5,983	145,923		000
•	Host Hotels & Resorts, Inc.	HST	98 A	93 A	130,778	459,278	int	0 2 6
	Huntington Bancshares Incorporated	HBAN	85 D	69 C	11,064	76,370		0 @
	Invesco Ltd	IVZ	60 D	65 D	19,855	3,061		
4	JPMorgan Chase & Co.	JPM	97 B	91 B	85,950	1,092,558	abs	000
	KeyCorp	KEY	80 B	96 A	14,583	70,125	abs	000
•	Kimco Realty	KIM	98 B	83 C	3,948	66,944	abs	00
•	Legg Mason, Inc.	LM	99 B	97 B	510	4,411	abs	0 2 8
	Lincoln National Corporation	LNC	87 D	IN	3,715	15,219		
	M&T Bank Corporation	MTB	66 D	69 D		Respons	e not public	
_	Marsh & McLennan Companies, Inc.	MMC	98 B	98 B	6,068	103,031	abs	000
	McGraw Hill Financial Inc.	MHFI	94 B	95 B	17,029	47,192	abs	000
	MetLife, Inc.	MET	99 B	92 A-			e not public	
	Moody's Corporation	MCO	24	21			7/////97/7/7///////////	
-	Morgan Stanley	MS	99 B	96 A	30,446	308,966	int	0 2 8
	NASDAQ OMX Group, Inc.	NDAQ	38	56 D	30,110		e not public	
-	Northern Trust	NTRS	97 C	94 B	3,143	51,241	c not public	026
1	Plum Creek Timber Co. Inc.	PCL	84 B	93 B	38,436	110,332	int	00
								000
_	PNC Financial Services Group, Inc.	PNC PFG	86 B	89 B	46,582	377,036	abs abs	000
4 4	Principal Financial Group, Inc.		99 A	95 A	5,751	55,132		000
	Prologis	PLD	86 C	83 B	2,262	5,574	abs	J U
	Prudential Financial, Inc.	PRU	73 C	63 C	6,053	67,254	abs int	000
4 4	Simon Property Group	SPG	98 A	98 B	30,756	451,318	[abs]	006
	State Street Corporation	STT	95 C	87 C	9,858	110,101	int	006
	T. Rowe Price	TROW	89 C	81 C	850	34,493		000
	The Chubb Corporation	CB	84 D	52 D	1,473	10,499		
•	The Hartford Financial Services Group, Inc.	HIG	92 A	94 A	23,099	51,265	(abs)	000
	The Travelers Companies, Inc.	TRV	72 D	63 C	35,804	46,278	abs	
	U.S. Bancorp	USB	90 D	78 C	44,076	356,061		
٧	Unum Group	UNM	99 B	97 A	8,424	35,166	abs	000
	Ventas Inc	VTR	92 B	85 C	80,731	316,403	abs	00
T	Wells Fargo & Company	WFC	97 A	96 A	104,062	1,272,278	abs	0 2 6
	Weyerhaeuser Company	WY	81 C	79 B	1,400,501	1,270,871	abs	00
	XL Group plc	XL	76 E	44		Poenone	e not public	

Appendix I

Scores, emissions, and company detail by sector

	Company	Ticker	2014 score	2013 score	Scope 1 emissions	Scope 2 emissions	Target(s) reported	Verification/ assurance
	Health care							
	Abbott Laboratories	ABT	93 B	84 B	471,000	520,000	abs int	0 2
	AbbVie Inc	ABBV	83 C	76 B	320,263	3,444,304	int	0 2
	Actavis plc.	ACT	93 B	88 C		Respons	e not public	
	Aetna Inc.	AET	74 E	61 D	6,036	83,088		
	Agilent Technologies Inc.	А	77 D	94 B	14,400	116,800		0 2 8
	Allergan, Inc.	AGN	90 B	91 B	49,828	55,049	abs int	00
	Amgen, Inc.	AMGN	64 C	76 B	125,898	262,716	abs	
	Baxter International Inc.	BAX	78 C	82 B	347,000	468,000	int	0 2 6
	Becton, Dickinson and Co.	BDX	92 B	69 B	74,416	248,319	int	
	Biogen Idec Inc.	BIIB	81 C	92 B	49,378	41,376	int	0 2 8
	Boston Scientific Corporation	BSX	46	44	31,000	96,000	abs	
•	Bristol-Myers Squibb	BMY	98 B	96 B	280,214	231,380	abs	0 2 6
	Cardinal Health Inc.	CAH	75 E	71 D	152,645	223,178		
	Celgene Corporation	CELG	85 B	80 C	8,206	9,711		0 2 6
	Cerner Corp	CERN	21	NR		Respons	e not public	
	Cigna	Cl	86 B	59 C	13,730	71,690	abs	
	Covidien Ltd.	COV	78 C	70 C	94,549	248,423	int	
	DENTSPLY International Inc.	XRAY	80 E	NR	3,783	87,970		
	Eli Lilly & Co.	LLY	85 B	86 B	474,244	1,129,156	int	000
	Express Scripts Holding Company	ESRX	65 D	DP	49	10,104		
	Hospira, Inc.	HSP	58 E	50 E	86,330	460,280	int	
	Humana Inc.	HUM	92 B	83 B	17,543	130,808	abs	0 2 3
7	Johnson & Johnson	JNJ	99 B	98 A-	350,722	846,469	abs	0 2 6
	Life Technologies Corp.	LIFE	SA	81 B	See p	parent company-T	hermo Fisher Scien	tific Inc.
	Medtronic, Inc.	MDT	81 D	61 D	29,182	172,728	int	
	Merck & Co., Inc.	MRK	88 B	87 B	1,051,600	808,700	abs	000
	Patterson Companies, Inc.	PDCO	67 E	53 E		Respons	e not public	
	PerkinElmer, Inc.	PKI	54 D	62 D	18,226	26,126	abs	
	Pfizer Inc.	PFE	92 B	91 B	959,865	705,558	abs	00
	Quest Diagnostics Incorporated	DGX	83 C	59 D	83,828	175,501		
	Stryker Corporation	SYK	52 E	53 E		Respons	e not public	
	Tenet Healthcare Corporation	THC	29	19	_	_		
	Thermo Fisher Scientific Inc.	TMO	58 D	75 D	61,496	286,315		
7	UnitedHealth Group Inc	UNH	99 B	98 B	8,089	101,309	int	000
	Varian Medical Systems Inc	VAR	89 C	84 C	32,449	21,312	int	
	Waters Corporation	WAT	71 D	75 C	18,164	21,445	int	
	WellPoint, Inc.	WLP	65 D	57 C	7,854	107,884	abs	
	Zimmer Holdings, Inc.	ZMH	58 E	62 E	8,622	54,166		

Legend

CDLI leader ▼ CPLI leader

AQL answered questionnaire late declined to participate provided information, but did not answer questionnaire

NR no response SA see another response, included under parent company information not available

company was not on S&P 500

Targets

abs absolute int intensity

Verification/assurance

Scope 1
 Scope 2
 Scope 2

Appendix I

Scores, emissions, and company detail by sector

	Company	Ticker	2014 score	2013 score	Scope 1 emissions	Scope 2 emissions	Target(s) reported	Verification/ assurance
	Industrials							
	3M Company	MMM	82 C	70 D	4,550,000	2,230,000		
	ADT Corporation	ADT	6	DP			e not public	
l	Boeing Company	BA	97 B	96 A-	610,000	1,026,000	[abs]	000
	C.H. Robinson Worldwide, Inc.	CHRW	48	30			e not public	
•	CSX Corporation	CSX	98 A	95 A	5,251,734	313,226	int	000
	Cummins Inc.	CMI	91 B	91 B	269,130	530,453	int	000
	Danaher Corporation	DHR	12	12			e not public	
	Deere & Company	DE	81 C	79 C	460,808	1,073,059	int	000
	Delta Air Lines	DAL	93 B	89 B	32,137,796	340,440	abs int	000
	Dover Corporation	DOV	89 C	79 C	124,310	255,431	int	
	Dun & Bradstreet Corporation	DNB	86 D	NR			e not public	
	Eaton Corporation	ETN	97 A-	100 A-	112,000	663,300	abs int	000
	Emerson Electric Co.	EMR	17	10	199,710	724,189		
	Expeditors International of Washington	EXPD	78 C	72 C	6,787	42,202	int	
	Fastenal Company	FAST	28	DP	-	-		
	FedEx Corporation	FDX	90 B	80 B	13,928,770	970,652	int	0
	Fluor Corporation	FLR	66 E	48	12,219	54,106		
	General Electric Company	GE	73 D	72 C	1,946,000	3,031,000	abs	
	Honeywell International Inc.	HON	81 C	74 B	4,346,781	1,760,651	int	0 2
	Illinois Tool Works, Inc.	ITW	82 D	79 C		Respons	e not public	
	Ingersoll-Rand Co. Ltd.	IR	93 B	80 B	401,920	280,840	int	0 2
	Iron Mountain Inc.	IRM	82 C	82 B	144,570	140,198	abs	
	Jacobs Engineering Group Inc.	JEC	73 D	66 D	4,130	5,717	abs	
	L-3 Communications Holdings, Inc.	LLL	1	DP	-	-		-
•	Lockheed Martin Corporation	LMT	98 A	91 A	241,148	866,684	abs	000
	Masco Corporation	MAS	76 B	68 C	124,217	205,344	int	000
	Norfolk Southern Corp.	NSC	98 B	90 B	5,088,315	260,792	int	000
•	Northrop Grumman Corp	NOC	98 A	99 A	148,470	460,577	int	026
	PACCAR Inc	PCAR	94 B	IN		Respons	e not public	
	Pall Corporation	PLL	68 C	61 C	26,521	1,062,912	int	
	Parker-Hannifin Corporation	PH	82 B	88 B	79,420	547,481	int	
	Pitney Bowes Inc.	PBI	89 B	70 D	29,150	46,973		026
	Raytheon Company	RTN	97 B	98 A	102,999	424,108	abs	000
	Republic Services, Inc.	RSG	93 C	NR	15,822,235	240,778		02
	Robert Half International Inc.	RHI	11	4			e not public	
	Rockwell Automation	ROK	72 D	71 C	38,880	105,120	abs int	
	Rockwell Collins, Inc.	COL	65 D	66 C	18,100	120,300	abs	
	Ryder System, Inc.	R	96 B	92 B	642.001	110,257	abs int	000
	Snap-On Inc	SNA	60 E	53 E	012,001		e not public	
	Southwest Airlines Co.	LUV	89 B	93 B	17,949,278	47,680	int	026
_	Stanley Black & Decker, Inc.	SWK	100 A	93 B 94 A	100,165	250,497	int	000
•	Textron Inc.	TXT	70 D	57 B	127,564	470,442	int	
	Tyco International	TYC	65 D	48	243,850	99,643		
	Union Pacific Corporation	UNP	99 B	98 B	·		int	000
	<u>'</u>				11,580,950 955,785	373,886	int	00
	United Technologies Corporation	UTX	72 C	87 B		1,160,197	abs	
	UPS	UPS	100 A-	99 A-	11,770,000	828,000	int	000
	W.W. Grainger, Inc.	GWW	91 B	93 B	43,481	102,787	int	000
	Waste Management, Inc.	WM	97 A-	89 B	19,895,052	236,977	abs int	0

Legend

▼ CDLI leader

▼ CPLI leader

AQL answered questionnaire late DP declined to participate IN provided information, but did not answer questionnaire
NR no response

information not available

company was not on S&P 500

Targets

abs absolute int intensity

Verification/assurance ① Scope 1 ② Scope 2 ③ Scope 2

Appendix I Scores, emissions, and company detail by sector

Company	Ticker	2014 score	2013 score	Scope 1 emissions	Scope 2 emissions	Target(s) reported	Verification assurance
Information technology							
▼ Accenture	ACN	94 A	92 B	32,155	232,988	int	0 2 6
■ Adobe Systems, Inc.	ADBE	99 A	97 A	10,571	32,486	abs	0 2 6
■ Akamai Technologies Inc	AKAM	97 A	84 B	502	103,122	int	0 2 6
Alliance Data Systems	ADS	AQL	NR		Answered qu	estionnaire late	
Altera Corp.	ALTR	93 B	57 D	3,158	10,451	abs int	
Analog Devices, Inc.	ADI	88 B	88 B		Respons	e not public	
■ Apple Inc.	AAPL	99 A	NR	30,393	91,505	[abs]	000
Applied Materials Inc.	AMAT	72 D	AQL	46,358	146,917		
■ Autodesk, Inc.	ADSK	100 A	99 A	2,480	1,970	abs int	000
Automatic Data Processing, Inc.	ADP	87 C	83 C	14,200	131,600	[abs]	
Broadcom Corporation	BRCM	94 B	92 B	3,546	56,453	int	000
CA Technologies	CA	90 C	90 B	12,757	57,698	abs	006
▼ Cisco Systems, Inc.	CSCO	100 A	100 A	55,811	666,393	abs	000
Cognizant Technology Solutions Corp.	CTSH	71 D	64 C	22,632	170,435	int	
Computer Sciences Corporation (CSC)	CSC	77 C	82 B		Respons	e not public	
Corning Incorporated	GLW	50 D	54 D	347,157	1,087,184		00
eBay Inc.	EBAY	87 D	75 D	28,090	222,892	int	
EMC Corporation	EMC	100 A-	97 A	46,404	401,500	abs int	000
F5 Networks, Inc.	FFIV	52 E	48	10,101	· · · · · · · · · · · · · · · · · · ·	e not public	
Fidelity National Information Services	FIS	AQL	DP		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	estionnaire late	
First Solar Inc	FSLR	87 C	77 C	10,708	311,605	int	
				10,708	· · · · · · · · · · · · · · · · · · ·		
Fisery, Inc.	FISV	15	14	44.070		e not public	9.00
▼ Google Inc.	GOOG	94 A	93 B	41,373	1,245,253	int	000
■ Hewlett-Packard	HPQ	100 A	99 A	207,900	1,587,100	abs int	000
Intel Corporation	INTC	79 B	85 B	756,280	936,448	abs int	00
International Business Machines (IBM)	IBM	81 B	86 B	514,464	1,978,594	[abs]	00
Intuit Inc.	INTU	82 D	85 B	5,464	31,122	abs	
Jabil Circuit, Inc.	JBL	74 D	82 C	37,723	848,937	[int]	
■ Juniper Networks, Inc.	JNPR	99 A	81 B	4,081	94,822	abs int	000
KLA-Tencor Corporation	KLAC	47	AQL		Respons	e not public	
Linear Technology Corp.	LLTC	65 D	49		Respons	e not public	
MasterCard Incorporated	MA	41	43	3,042	34,456		
Microchip Technology	MCHP	63 C	76 B	182,382	169,666	[abs]	
Micron Technology, Inc.	MU	34	34	812,125	1,260,619		
▼ Microsoft Corporation	MSFT	99 A	96 A	39,665	1,277,364	abs	006
Motorola Solutions	MSI	98 B	74 B	27,426	159,543	abs	0 2 6
NetApp Inc.	NTAP	97 C	87 C	6,170	128,757		000
NVIDIA Corporation	NVDA	92 C	87 B	2,743	48,659	int	00
Oracle Corporation	ORCL	95 C	79 C	14,764	426,026	int	
QUALCOMM Inc.	QCOM	64 D	56 D	65,935	121,098		
Red Hat Inc	RHT	AQL	NR			estionnaire late	
salesforce.com	CRM	84 C	90 C	6,095	48,447		006
SanDisk Corporation	SNDK	79 B	82 B	4,130	128,409	int	00
Seagate Technology LLC	STX	89 C	74 D	310,159	982,858	abs	000
Symantec Corporation	SYMC	97 C	98 B	8,511	152,932	4,50	000
TE Connectivity		68 D				int	3 3 3
	TEL	-	64 C	209,246	479,201	int	
Teradata Corp.	TDC	45 50 D	45	642	21,854	int	
Texas Instruments Incorporated	TXN	59 D	64 D	938,159	1,388,729	int	
Total System Services (TSYS)	TSS	37	19			e not public	
Visa	V	65 E	61 D	7,560	73,153		
Western Digital Corp	WDC	54 D	56 D	35,565	1,048,582	int	
Western Union Co	WU	20	IN	-	-		
Xerox Corporation	XRX	95 A-	77 B	123,718	144,781	abs	
Xilinx Inc	XLNX	56 D	46		Respons	e not public	
Yahoo! Inc.	YHOO	95 B	91 B	9,123	317,446	abs int	000

Appendix I

Scores, emissions, and company detail by sector

	Company Materials	Ticker	2014 score	2013 score	Scope 1 emissions	Scope 2 emissions	Target(s) reported	Verification assurance
7	Air Products & Chemicals, Inc.	APD	99 A-	99 B	14,972,268	10,853,989	int	0 2 6
	Alcoa Inc.	AA	93 B	87 B	28,227,078	15,134,829	int	0 2
	Avery Dennison Corporation	AVY	87 C	85 C	156,755	319,408	int	
	Ball Corporation	BLL	93 B	78 B	360,628	898,432	int	00
	Bemis Company	BMS	77 C	59 C	228,280	596,604	int	
	Cliffs Natural Resources Inc	CLF	59 D	72 C	6,026,261	3,287,159		
	E.I. du Pont de Nemours and Company	DD	93 B	96 A	13,561,008	4,944,363	abs	000
	Eastman Chemical Company	EMN	47	47	6,190,000	760,000	int	
	Ecolab Inc.	ECL	96 B	98 A	396,424	233,406	int	006
	Freeport-McMoRan Copper & Gold Inc.	FCX	85 C	86 C	5,859,810	4,321,572		000
<u> </u>	International Flavors & Fragrances Inc.	IFF	97 A-	89 B	108,277	128,552	int	0 2 6
	International Paper Company	IP IP	79 B	74 C	10,100,000	5,660,000	abs	0
	MeadWestvaco Corp.	MWV	96 B	98 B	2,777,007	577,642	abs int	000
	Monsanto Company	MON	76 D	70 D	1,450,000	565,000		
	Newmont Mining Corporation	NEM	85 C	92 B	4,402,780	1,205,633	abs	00
	Owens-Illinois	OI	56 D	31	4,703,000	1,673,000	int	
	PPG Industries, Inc.	PPG	53 D	60 D	1,122,000	943,000	int	
	Praxair, Inc.	PX	100 A-	98 B	6,152,000	11,883,000	abs int	0 2 6
<u>`</u>	Sealed Air Corp.	SEE	97 A-	59 D	221,528	468,877	abs int	000
1	Sherwin-Williams Company	SHW	78 C	72 C	263,324	273,240	int	
	Sigma-Aldrich Corporation	SIAL	99 A-	97 B	61,877	162,395	abs int	000
_	The Dow Chemical Company	DOW	85 B	90 B	27,730,000	7,570,000	abs int	000
	The Mosaic Company	MOS	99 A	97 A	2,793,949	1,616,303	abs int	000
	United States Steel Corporation	X	85 B	78 B	41,433,617	5,025,063	abs	0
	Talanam minotiana asmissa							
	Telecommunications services	Т	04.0	00 D	1 007 004	0.100.040		0 2 8
	AT&T Inc.		94 B	96 B	1,007,224	8,103,246	abs int	00
	CenturyLink	CTL	71 C	66 D	274,783	2,069,135	abs int	
	Verizon Communications Inc.	VZ	94 B	84 B	438,414	5,047,406	[int]	000
	Windstream Corporation	WIN	8	8				
	Utilities							
	Ameren Corporation	AEE	87 C	80 B	32,978,295	70,179	[abs]	0
	American Electric Power Company, Inc.	AEP	86 C	68 D	120,807,200	107,200	[abs]	
	CMS Energy Corporation	CMS	92 C	93 C	17,308,533	92,724	abs int	0
	Consolidated Edison, Inc.	ED	86 B	89 B	3,361,491	1,193,349	[abs]	
	DTE Energy Company	DTE	AQL	82 C		Answered qu	uestionnaire late	
	Duke Energy Corporation	DUK	72 C	67 C	124,592,000	_	abs int	0
1	Entergy Corporation	ETR	99 A	100 A	34,214,242	891,922	abs	0 2 6
•	Exelon Corporation	EXC	100 A-	98 A	18,696,695	6,269,876	abs	006
	Integrys Energy Group, Inc.	TEG	46	32	10,895,037	_	abs	
	NiSource Inc.	NI	64 C	50 D	19,146,240	307,278		
	Northeast Utilities	NU	76 C	79 B	1,962,008	634,665	[abs]	0
	NRG Energy Inc	NRG	74 C	86 B	76,721,124	1,237,050	abs int	0
	Oneok Inc.	OKE	49	3			e not public	
	Pepco Holdings, Inc.	POM	100 A	94 A	217,588	1,185,540	abs	0 2 6
4	PG&E Corporation	PCG	95 B	94 A 93 B	4,105,291	1,262,066	abs	000
	·							000
-	Pinnacle West Capital Corporation	PNW	52 D	48	14,227,295	18,466	abs int	000
4	Sempra Energy	SRE	98 A-	97 B	7,552,996	267,767	abs int	000
	The AES Corporation	AES	85 C	66 C	75,170,100	167,902	[abs]	0
	Wisconsin Energy Corporation Xcel Energy Inc.	WEC	63 E	64 D	21,924,000	506,000		0
		XEL	94 B	91 B	52,178,081	863,130	(abs)	0 2 8

Legend

CDLI leader

AQL answered questionnaire late DP declined to participate declined to participate provided information, but IN did not answer questionnaire NR no response

information not available

company was not on S&P 500

Targets

abs absolute

int intensity

Verification/assurance ① Scope 1 ② Scope 2

Scope 2

Appendix II Non-responding companies

Declined to participate

Company	Ticker
Consumer discretionary	
AutoNation, Inc.	AN
Bed Bath & Beyond Inc.	BBBY
BorgWarner	BWA
Chipotle Mexican Grill	CMG
Comcast Corporation	CMCSA
Discovery Communications, Inc.	DISCA
Gannett Co., Inc.	GCI
Graham Holdings Company	GHC
Lennar Corporation	LEN
Mohawk Industries, Inc.	MHK
O'Reilly Automotive	ORLY
Petsmart, Inc.	PETM
Polo Ralph Lauren Corporation	RL
Ross Stores Inc	ROST
Time Warner Cable Inc.	TWC
Wynn Resorts, Limited	WYNN

Consumer staples	
Beam Inc	BEAM
Costco Wholesale Corporation	COST
Lorillard Inc.	LO
Tyson Foods, Inc.	TSN

Energy	
EQT Corporation	EQT
FMC Technologies	FTI
Kinder Morgan Inc.	KMI
Marathon Petroleum	MPC
Murphy Oil Corporation	MUR
Noble Corporation	NE
Peabody Energy Corporation	BTU
QEP Resources	QEP
Rowan Companies Inc	RDC
Tesoro Corporation	TSO
Valero Energy Corporation	VLO

Financials	
American Tower Corp.	AMT
Discover Financial Services	DFS
Loews Corporation	L
Macerich Co.	MAC
Regions Financial Corporation	RF
Zions Bancorporation	ZION

Company	Ticker
Health care	
AmerisourceBergen Corp.	ABC
DaVita Inc.	DVA
Forest Laboratories, Inc.	FRX
Gilead Sciences, Inc.	GILD
McKesson Corporation	MCK
Perrigo Co.	PRGO
Regeneron Pharmaceuticals, Inc.	REGN
St. Jude Medical, Inc.	STJ
Zoetis Inc	ZTS

Industrials	
Allegion Plc	ALLE
Ametek, Inc.	AME
Caterpillar Inc.	CAT
Equifax Inc.	EFX
Flowserve Corporation	FLS
Quanta Services Inc	PWR

Information technology	
Citrix Systems	CTXS
Lam Research Corp.	LRCX
LSI Corporation	LSI

Materials	
Allegheny Technologies Incorporated	ATI
LyondellBasell Industries Cl A	DLY
Nucor Corporation	NUE

Utilities	
CenterPoint Energy, Inc.	CNP
Dominion Resources, Inc.	D
Edison International	EIX
FirstEnergy Corporation	FE
PPL Corporation	PPL
TECO Energy, Inc.	TE
The Southern Company	SO

Provided information, but did not answer questionnaire

Energy	
Denbury Resources Inc	DNR

Appendix II Non-responding companies

No response

Company	Ticker	Company	Ticke
Consumer discretionary		Financials	
Amazon.com Inc.	AMZN	People's United Financial, Inc	PBCT
AutoZone, Inc.	AZO	Progressive Corporation	PGR
Cablevision Systems Corporation	CVC	Public Storage	PSA
CarMax Inc.	KMX	SLM Corporation	SLM
Coach, Inc.	COH	SunTrust Banks, Inc.	STI
Dollar General Corporation	DG	Torchmark Corporation	TMK
Dollar Tree Inc	DLTR	Vornado Realty Trust	VNO
Fossil, Inc.	FOSL		
GameStop Corp.	GME	Health care	
Garmin Ltd	GRMN	Alexion Pharmaceuticals	ALXN
Genuine Parts Company	GPC	Carefusion Corp	CFN
Harley-Davidson, Inc.	HOG	CR Bard Inc	BCR
Michael Kors Holdings Ltd	KORS	Edwards Lifesciences Corp	EW
Netflix, Inc.	NFLX	Intuitive Surgical Inc.	ISRG
Pulte Homes Inc	PHM	Laboratory Corporation of America Holdings	LH
PVH Corp	PVH	Mylan Inc.	MYL
The Priceline Group Inc	PCLN	Vertex Pharmaceuticals Inc	VRTX
Fripadvisor Inc	TRIP	-	
Jrban Outfitters, Inc.	URBN	Industrials	
		Cintas Corporation	CTAS
Consumer staples		General Dynamics Corporation	GD
Monster Beverage Corporation	MNST	Joy Global Inc	JOY
Toristor Beverage Corporation		Kansas City Southern	KSU
Energy		Nielsen Holdings	NLSN
Cabot Oil & Gas Corporation	COG	Pentair, Inc.	PNR
· · · · · · · · · · · · · · · · · · ·	CAM		PCP
Cameron International Corporation		Precision Castparts Corp.	
Chesapeake Energy Corporation	CHK	Roper Industries Inc	ROP
Diamond Offshore Drilling	DO HP	Stericycle Inc.	SRCL
Helmerich & Payne		Information to almost and	
Nabors Industries Ltd.	NBR	Information technology	ADLI
National Oilwell Varco, Inc.	NOV	Amphenol Corporation	APH
Phillips 66	PSX	Electronic Arts Inc.	EA
Pioneer Natural Resources	PXD	Facebook	FB
Range Resources Corp.	RRC	FLIR Systems	FLIR
Southwestern Energy	SWN	Harris Corporation	HRS
Transocean Ltd.	RIGN	Paychex, Inc.	PAYX
Williams Companies, Inc.	WMB	Verisign Inc.	VRSN
Npx Energy	WPX		
		Materials	
Financials		Airgas	ARG
Apartment Investment and Management Co.	AIV	CF Industries Holdings, Inc.	CF
BB&T Corporation	BBT	FMC Corp	FMC
Berkshire Hathaway	BRK/B	Vulcan Materials Company	VMC
Boston Properties	BXP		
CME Group Inc.	CME	Telecommunications services	
ETRADE Financial Corporation	ETFC	Crown Castle International Corp	CCI
Equity Residential	EQR	Frontier Communications Corp	FTR
General Growth Properties	GGP		
Hudson City Bancorp, Inc.	HCBK	Utilities	
ntercontinentalExchange Inc	ICE	AGL Resources	GAS
Leucadia National Corp.	LUK	NextEra Energy, Inc.	NEE
·		Public Service Enterprise Group Inc.	PEG
		· · · · · · · · · · · · · · · · · · ·	

Appendix III

Other responding companies

CDP would like to recognize all US-based, non-S&P 500* companies that used CDP's climate change questionnaire to manage their carbon and energy impacts this year. CDP also acknowledges those organizations whose vital information was provided to investors through another company's submission. The majority of these disclosures are publicly available at www.cdp.net.

Abercrombie & Fitch Co.	Fairchild Semiconductor	OGE Energy Corporation	
Actiontec Electronics	Flextronics International	Ormat Technologies Inc	
Advanced Micro Devices, Inc	Future Electronics	Outerwall	
Alliant Energy Corporation	GRANT THORNTON	Owens Corning	
American Airlines Group Inc	Hanesbrands Inc.	Pericom Semiconductor Corp.	
American Water Works	Herman Miller	PRESTIGE MAINTENANCE USA	
Amtrak	Hillshire Brands Company	PrimeAsia Leather Company	
AptarGroup	Humanscale Corporation	QLogic Corp.	
Ashland Inc.	Hyatt Hotels	Royal Caribbean Cruises Ltd	
Bel Fuse Inc.	Idacorp Inc	S.C. Johnson & Son, Inc.	
Bernhardt Design a Division of Bernhardt	Informatica Corporation	Sanyo Denki America Inc	
Furniture Company	Integrated Device Technology, Inc.	Silicon Laboratories	
Bernhardt Residential a Division of Bernhardt Furniture Company	Interface, Inc.	Smithfield Foods, Inc.	
Bernhardt Transportation a Division of Bernhardt	International Rectifier	Sonoco Products Company	
Furniture Company	Itron, Inc.	Spansion Inc.	
BROADRIDGE FINANCIAL SOLUTIONS INC	jcpenney	Sprint Nextel Corporation	
Bunge	JDS Uniphase Corp.	Steelcase	
Cabot Corporation	Keurig Green Mountain	SunGard	
Caesars Entertainment	KNOLL INC	SunPower Corporation	
Cal Development	Las Vegas Sands Corporation	Syniverse	
Cargill	Layne Christensen Company	Teradyne Inc.	
Chicken of the Sea Intl	Level 3 Communications, Inc.	Terex Corporation	
Compatico	Levi Strauss & Co.	The Hertz Corporation	
Compuware Corp.	Lexmark International, Inc.	Trans-Expedite Inc.	
CoreLogic, Inc.	ManpowerGroup	TRW Automotive Holdings Corp	
Covanta Energy Corporation	Markel Corporation	Unisys Corporation	
Crane Co.	Mars	United Industries	
Cypress Semiconductor Corporation	Marvell Technology Group, Ltd.	Valspar Corporation	
Dean Foods Company	MGM Resorts International	Visteon	
Dell Inc.	ModusLink Corporation	VWR International LLC	
Dunkin' Brands Group	Molex Incorporated	Wesco International	
DW Morgan, LLC	Motorola Mobility	WhiteWave Foods	
Eastman Kodak Company	Navistar International Corporation	World Resources Institute (WRI)	
Ecova, Inc.	Office Depot, Inc.		
Ernst & Young LLP (USA)	OFS Brands		

^{*} The S&P 500 list of companies covered in the main body of this report was taken on January 2, 2014. Non-S&P 500 companies are not eligible for ranking on the CDLI or CPLI.

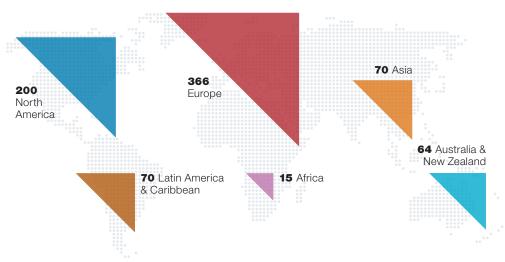
Investor memebers



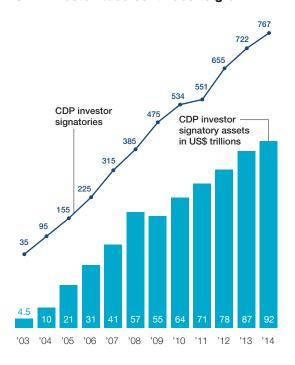
CDP works with investors globally to advance the investment

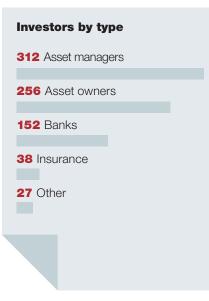
opportunities and reduce the risks posed by climate change by asking over 5,000 of the world's largest companies to report their climate strategies, GHG emissions and energy use through CDP's standardized format. To learn more about CDP's member offering and becoming a member, please contact us or visit www.cdp.net/en-US/WhatWeDo/.

Where are the signatory investors located?*



CDP investor base continues to grow*





CDP investor members 2014

ABRAPP—Associação Brasileira das Entidades Fechadas de Previdência Complementar

AEGON N.V.

ATP Group

Aviva plc

Aviva Investors

Bank of America Merrill Lynch

Bendigo & Adelaide Bank Limited

BlackRock

Boston Common Asset Management, LLC

BP Investment Management Limited

California Public Employees'

Retirement System

California State Teachers' Retirement System

Calvert Investment Management, Inc.

Capricorn Investment Group, LLC

Catholic Super

CCLA Investment Management Ltd

ClearBridge Investments

DEXUS Property Group

Fachesf

Fapes

Fundação Itaú Unibanco

Generation Investment Management

Goldman Sachs Group Inc.

Henderson Global Investors

HSBC Holdings plc

Infraprev

KLP

Legg Mason Global Asset Management

London Pensions Fund Authority

Mobimo Holding AG

Mongeral Aegon Seguros e Previdência S/A

Morgan Stanley

National Australia Bank Limited

Neuberger Berman

Nordea Investment Management

Norges Bank Investment Management

NEI Investments

Petros

PFA Pension

Previ

Real Grandeza Robeco

RobecoSAM AG

Rockefeller Asset Management, Sustainability

& Impact Investing Group

Royal Bank of Canada

Royal Bank of Scotland Group

Sampension KP Livsforsikring A/S

Schroders

Scottish Widows Investment Partnership

SEB AB

Serpros

Sistel

Sompo Japan Nipponkoa Holdings, Inc

Standard Chartered

TD Asset Management

The Wellcome Trust

^{*} There were 767 investor signatories on 1st February 2014 when the official CDP climate change letter was sent to companies, however some investors joined after this date and are only reflected in the 'geographical' and 'type' breakdown.

Investor signatories

financial institutions with assets of US\$92 trillion were signatories to the CDP 2014 climate change information request dated February 1, 2014.

3Sisters Sustainable Management LLC

Aberdeen Asset Managers

Aberdeen Immobilien KAG mbH

ABRAPP-Associação Brasileira das Entidades Fechadas de Previdência Complementar

Achmea NV

Active Earth Investment Management

Acuity Investment Management

Addenda Capital Inc.

Advanced Investment Partners

AEGON N.V

AEGON-INDUSTRIAL Fund Management Co., Ltd

AIG Asset Management

AK Asset Management Inc.

Akbank T.A.S.

Alberta Investment Management Corporation (AIMCo)

Alberta Teachers Retirement Fund Board

Alcyone Finance

AllenbridgeEpic Investment Advisers

Alliance Trust PLC

Allianz Elementar Versicherungs-AG

Allianz Global Investors

Kapitalanlagegesellschaft mbH

Allianz Group

Altira Group

Amalgamated Bank

Amlin plc

AMP Capital Investors

AmpegaGerling Investment GmbH

Amundi AM

ANBIMA-Associação Brasileira das Entidades dos Mercados Financeiro e de

Antera Gestão de Recursos S.A.

APG

Appleseed Fund

AQEX LLC

Aquila Capital

Arisaig Partners Asia Pte Ltd

Arjuna Capital

Arkx Investment Management

Arma Portföy Yönetimi A.Ş.

Armstrong Asset Management

As You Sow

ASM Administradora de Recursos S.A.

ASN Bank

Assicurazioni Generali Spa

ATI Asset Management

Atlantic Asset Management Pty Ltd

ATP Group

Australia and New Zealand Banking Group

Australian Ethical Investment

AustralianSuper

Avaron Asset Management AS

Aviva Investors

Aviva plc

AXA Group

BAE Systems Pension Funds Investment

Management Ltd

Baillie Gifford & Co

BaltCap

Banca Monte dei Paschi di Siena Group

Banco Bradesco S/A

Banco Comercial Português S.A.

Banco de Credito del Peru BCP

Banco de Galicia y Buenos Aires S.A.

Banco do Brasil Previdência

Banco do Brasil S/A

Banco Espírito Santo, SA

Banco Nacional de Desenvolvimento

Econômico e Social-BNDES

Banco Popular Español

Banco Sabadell, S.A.

Banco Santander

Banesprev-Fundo Banespa de Seguridade

Banesto

Banif, SA

Bank Handlowy w Warszawie S.A

Bank Leumi Le Israel

Bank of America Merrill Lynch

Bank of Montreal

Bank Vontobel AG

Bankhaus Schelhammer & Schattera Kapitalanlagegesellschaft m.b.H.

BANKIA S.A.

Bankinter

bankmecu

Banque Degroof

Banque Libano-Française

Barclavs

Basellandschaftliche Kantonalbank

BASF Sociedade de Previdência

Complementar

Basler Kantonalbank

Bâtirente

Baumann and Partners S.A.

Bavern LB

BayernInvest Kapitalanlagegesellschaft

BBC Pension Trust Ltd.

BC Investment Management Corporation

Bedfordshire Pension Fund

Beetle Capital

BEFIMMO SA

Bendigo & Adelaide Bank Limited

Bentall Kennedy

Berenberg Bank

Berti Investments

BioFinance Administração de Recursos de

Terceiros Ltda BlackRock

Blom Bank SAL

Blumenthal Foundation

BNP Paribas Investment Partners

BNY Mellon

BNY Mellon Service Kapitalanlage

Gesellschaft

Boardwalk Capital Management

Boston Common Asset Management, LLC

BP Investment Management Limited Brasilprev Seguros e Previdência S/A.

Breckenridge Capital Advisors

British Airways Pension Investment

Management Limited

British Coal Staff Superannuation Scheme

Brown Advisory

BSW Wealth Partners

BT Financial Group

BT Investment Management

Busan Bank

CAAT Pension Plan

Cadiz Holdings Limited

CAI Corporate Assets International AG

Caisse de dépôt et placement du Québec

Caisse des Dépôts

Caixa de Previdência dos Funcionários do Banco do Nordeste do Brasil (CAPEF)

Caixa Econômica Federal

Caixa Geral de Depósitos

CaixaBank, S.A

California Public Employees' Retirement

California State Teachers' Retirement

California State Treasurer Calvert Investment Management, Inc.

Canada Pension Plan Investment Board Canadian Imperial Bank of Commerce

Canadian Labour Congress Staff Pension

CAPESESP Capital Innovations, LLC

Capricorn Investment Group, LLC

CareSuper

Carmignac Gestion

CASER PENSIONES

Cathay Financial Holding Catherine Donnelly Foundation

Catholic Super

CBF Church of England Funds

CRRE

Cbus Superannuation Fund

CCLA Investment Management Ltd Cedrus Asset Management

Celeste Funds Management Limited Central Finance Board of the Methodist

Church

CERES-Fundação de Seguridade Social

Investor signatories

East Capital AB Challenger Change Investment Management East Sussex Pension Fund Christian Brothers Investment Services Ecclesiastical Investment Management Ltd. Ecofi Investissements—Groupe Credit Christian Super Cooperatif Christopher Reynolds Foundation Edward W. Hazen Foundation Church Commissioners for England EEA Group Ltd Church of England Pensions Board Eika Kapitalforvaltning AS CI Mutual Funds' Signature Global Advisors City Developments Limited Elan Capital Partners Clean Yield Asset Management Element Investment Managers ClearBridge Investments ELETRA-Fundação Celg de Seguros e Climate Change Capital Group Ltd CM-CIC Asset Management Environment Agency Active Pension fund Colonial First State Global Asset Environmental Investment Services Asia Management Limited Comerica Incorporated **Epworth Investment Management** COMGEST Equilibrium Capital Group Commerzbank AG equinet Bank AG Comminsure Erik Penser Fondkommission Commonwealth Bank of Australia Erste Asset Management Commonwealth Superannuation Erste Group Bank Corporation Essex Investment Management Company, Compton Foundation Concordia Versicherungs-Gesellschaft a.G. **ESSSuper** Confluence Capital Management LLC Ethos Foundation Connecticut Retirement Plans and Trust Etica Sgr Eureka Funds Management Conser Invest Eurizon Capital SGR Co-operative Financial Services (CFS) Evangelical Lutheran Church in Canada Crayna Capital, LLC. Pension Plan for Clergy and Lay Workers Credit Agricole Evangelical Lutheran Foundation of Eastern Credit Suisse CTBC Financial Holding Co., Ltd. Evangelisch-Luth. Kirche in Bayern Daesung Capital Management Evli Bank Plc Daiwa Asset Management Co. Ltd. F&C Investments Daiwa Securities Group Inc. FACEB-FUNDAÇÃO DE PREVIDÊNCIA DOS EMPREGADOS DA CEB Dalton Nicol Reic Dana Investment Advisors FAELCE-Fundacao Coelce de Seguridade Social Danske Bank Group FAPERS- Fundação Assistencial e de Pury Pictet Turrettini & Cie S.A. Previdenciária da Extensão Rural do Rio DekaBank Deutsche Girozentrale Grande do Sul Delta Lloyd Asset Management FASERN-Fundação COSERN de Demeter Partners Previdência Complementar Desjardins Group Federal Finance Deutsche Asset Management Fédéris Gestion d'Actifs Investmentgesellschaft mbH FIDURA Capital Consult GmbH Deutsche Bank AG FIM Asset Management Ltd Deutsche Postbank AG FIM Services Development Bank of Japan Inc. Finance S.A. Development Bank of the Philippines (DBP) Financiere de l'Echiquier Dexia Asset Management FIPECq-Fundação de Previdência **DEXUS Property Group** Complementar dos Empregados e Servidores da FINEP, do IPEA, do CNPq DGB Financial Group FIRA.-Banco de Mexico First Affirmative Financial Network DLM INVISTA ASSET MANAGEMENT S/A First Bank DNB ASA First State Investments Domini Social Investments LLC First State Super Dongbu Insurance First Swedish National Pension Fund (AP1) Doughty Hanson & Co. DWS Investment GmbH

Folksam

Fondaction CSN Fondation de Luxembourg Fondazione Cariplo Fondo Pensione Gruppo Intesa Sanpaolo-Fonds de Réserve pour les Retraites-FRR Forluz-Fundação Forluminas de Seguridade Social-FORLUZ Forma Futura Invest AG Fourth Swedish National Pension Fund, FRANKFURT-TRUST Investment-Gesellschaft mbH Friends Fiduciary Corporation Fubon Financial Holdings Fukoku Capital Management Inc FUNCEF-Fundação dos Economiários Federais Fundação AMPLA de Seguridade Social-Fundação Atlântico de Seguridade Social Fundação Attilio Francisco Xavier Fontana Fundação Banrisul de Seguridade Social Fundação BRDE de Previdência Complementar-ISBRE Fundação Chesf de Assistência e Seguridade Social-Fachest Fundação Corsan-dos Funcionários da Companhia Riograndense de Saneamento Fundação de Assistência e Previdência Social do BNDES-FAPES FUNDAÇÃO ELETROBRÁS DE SEGURIDADE SOCIAL—ELETROS Fundação Itaipu BR-de Previdência e Assistência Social FUNDAÇÃO ITAUBANCO Fundação Itaúsa Industrial Fundação Promon de Previdência Social Fundação Rede Ferroviaria de Seguridade Social-Refer FUNDAÇÃO SANEPAR DE PREVIDÊNCIA E ASSISTÊNCIA SOCIAL-FUSAN Fundação Sistel de Seguridade Social Fundação Vale do Rio Doce de Seguridade Social—VALIA FUNDIÁGUA-FUNDAÇÃO DE PREVIDENCIA COMPLEMENTAR DA Futuregrowth Asset Management GameChange Capital LLC Garanti Bank GEAP Fundação de Seguridade Social Gemway Assets General Equity Group AG Generali Deutschland Holding AG Generation Investment Management Genus Capital Management German Equity Trust AG Giensidige Forsikring ASA Global Forestry Capital SARL Globalance Bank Ltd GLS Gemeinschaftsbank eG Firstrand Group Limited Goldman Sachs Group Inc. Five Oceans Asset Management GOOD GROWTH INSTITUT für globale Folketrygdfondet Vermögensentwicklung mbH

Good Super

DZ Bank

E.Sun Financial Holding Co

Earth Capital Partners LLP

Investor signatories

Governance for Owners

Government Employees Pension Fund ("GEPF"), Republic of South Africa

GPT Group

Greater Manchester Pension Fund

Green Cay Asset Management

Green Century Capital Management

GROUPAMA EMEKLİLİK A.S.

GROUPAMA SİGORTA A.Ş.

Groupe Crédit Coopératif

Groupe Investissement Responsable Inc.

GROUPE OFI AM

Grupo Financiero Banorte SAB de CV

Grupo Santander Brasil

Gruppo Bancario Credito Valtellinese

Guardians of New Zealand Superannuation

Hang Seng Bank

Hanwha Asset Management Company

Harbour Asset Management

Harrington Investments, Inc

Harvard Management Company, Inc.

Hauck & Aufhäuser Asset Management GmbH

Hazel Capital LLP

HDFC Bank Ltd.

Healthcare of Ontario Pension Plan

Heart of England Baptist Association

Helaba Invest Kapitalanlagegesellschaft

Henderson Global Investors

Hermes Fund Managers-BUT Hermes

EOS for Carbon Action

HESTA Super HIP Investor

Holden & Partners

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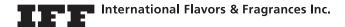




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Report managers

Maxfield Weiss

Senior Manager Disclosure Services maxfield.weiss@cdp.net

Ateli Iyalla

Manager Disclosure Services ateli.iyalla@cdp.net

Communications

Zoe Tcholak-Antitch

Communications
CDP North America
zoe.antitch@cdp.net

CDP contacts

Paul Simpson

Chief Executive Officer CDP

Paula DiPerna

Special Advisor CDP North America

Andrea Tenorio

VP Disclosure Services CDP North America

Chris Fowle

VP Investor Initiatives
CDP North America

CDP North America

132 Crosby Street, 8th Floor New York, NY 10012 Tel: +1 212 378 2086 info.northamerica@cdp.net www.cdp.net/USA

Report author

Marc Fox

Snow Fox LLC

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Advisors

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