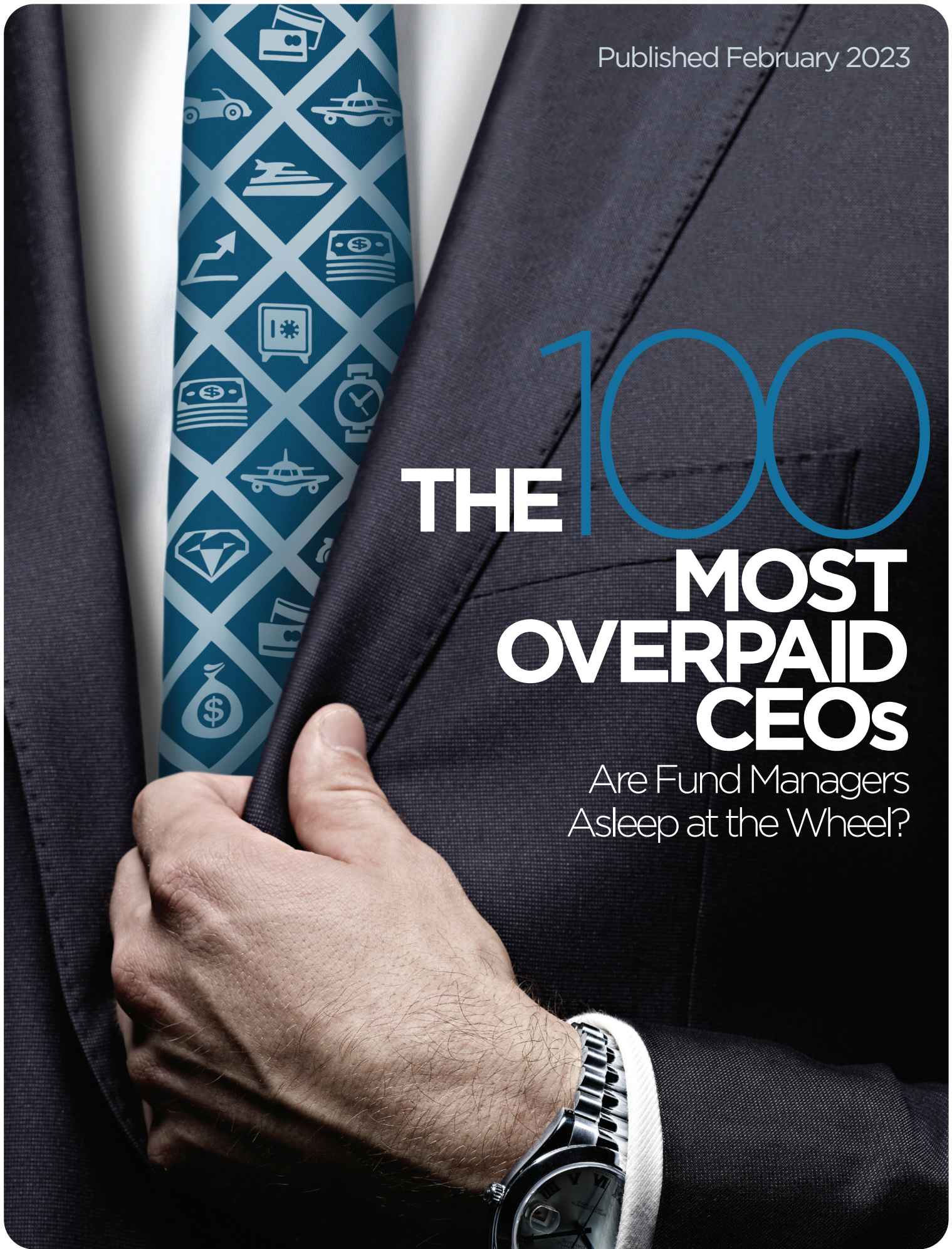


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THE 100 MOST OVERPAID CEOs

Are Fund Managers
Asleep at the Wheel?



AUTHORS

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This is the ninth annual report of “*The 100 Most Overpaid CEOs of the S&P 500: Are Fund Managers Asleep at the Wheel?*” that Weaver has written for *As You Sow*. Weaver began her corporate governance career with a position in the corporate affairs office at the International Brotherhood of Teamsters in 1992, supervising research on corporate governance. She has worked for the Investor Responsibility Research Center (IRRC). At Institutional Shareholder Services (ISS), which she joined in 2005, she was a senior analyst on the executive compensation team, with a particular focus on change of control agreements, and analyzed Say on Pay resolutions. Weaver holds a bachelor’s degree in English from Goshen College and a master’s in American Studies from the University of Notre Dame.

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Throughout the spring, as proxies are filed, this team provides updates and compensation analysis on its blog, which can be found at <https://www.asyousow.org/our-work/ceo-pay/blog/>. You can sign up for emails that summarize these blog posts during proxy season at <https://go.asyousow.org/ceo-pay-alerts>.

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KEY TAKEAWAYS

Total pay for S&P 500 chief executives continues to increase. Multiple studies analyzing pay in a variety of ways come to the same conclusion: CEO pay continues to rise sharply. The average pay of the S&P 500 CEOs in this report was \$18,834,100 up 20.9 percent from last year's average of \$15,576,176. The average pay of the 100 Most Overpaid CEOs for this report was \$38,192,249, up 30.6 percent from last year's average of \$29,233,020. The median pay for the 100 Most Overpaid CEOs – less influenced by the massive stock awards that inflate pay at the very top – was \$23,455,188 representing an increase of 8 percent over the prior year. Mega-grants meant the highest CEO pay packages were higher than ever, with multiple packages with a grant date value over \$200 million. Pay in the form of annual bonuses also increased substantially with a 39.3 percent increase over 2020.

The gap between CEO and median worker pay has also increased. According to the AFL-CIO, the chief executives of S&P 500 companies received an average of 324 times that of their median-paid workers, up from 299 times in 2020 and 264 times in 2019. At Amazon, the CEO to worker pay ratio reached 6,474 to 1, with CEO Andy Jassy making \$212.7 million in total compensation while the median worker received \$32,855.

Shareholder opposition to CEO pay packages continues to grow. Across multiple measures, shareholder rejection of pay packages continues to increase. In the S&P 500, shareholder votes against CEO pay continued its five-year upward trajectory to a high of 12.6 percent opposition, gaining 4.2 percentage points in votes against since 2017. As detailed in this report, more financial managers are voting against more pay packages. If it weren't for the continued weak response from a handful of the big players, the message that shareholders are fed up would be clearer.

Companies with overpaid CEOs continue to underperform. For the past 8 reports since 2015, except for the 2018 report, the aggregate of the Most Overpaid 100 lagged the S&P 500 in total financial returns plus reinvested dividends. As a group, Overpaid CEOs have not delivered the expected financial results for the company based on their exorbitant pay. Even more compelling, in all eight years of these reports, the collection of firms with the 10 Most Overpaid CEOs suffered shareholder returns much worse than the Most Overpaid 100 and the S&P 500 index.

Votes on CEO pay are an effective tool when enough investors use their power and vote against. In this year's report, we list some recent examples of reduced CEO pay packages following shareholder opposition to the CEO pay package.

The top 25 Most Overpaid CEOs identified by *As You Sow* are listed in Figure 1. Most of these companies have appeared on our overpaid list in prior years, but this is the first appearance for the CEOs of Amazon, Analog Devices, Apple, and CenterPoint Energy. One of the companies on the top 25 list, Penn Entertainment, was recently removed from the S&P 500 list.

FIGURE 1 – THE 25 MOST OVERPAID CEOs

RANK	NAME	CEO	CEO PAY	EXCESS PAY	REPORTED SHARES VOTED AGAINST	INSTITUTIONAL SHARES VOTED AGAINST	CEO:WORKER PAY RATIO	MEDIAN WORKER PAY
1	Warner Bros. Discovery, Inc.	David M. Zaslav	\$246,573,481	\$232,711,591	39%	78%	2,972:1	\$82,964
2	Estee Lauder Companies Inc.	Fabrizio Freda	\$65,996,984	\$50,680,560	9%	70%	1,965:1	\$33,586
3	Penn National Gaming, Inc.	Jay A. Snowden	\$65,887,214	\$51,015,162	58%	58%	1,942:1	\$33,930
4	Intel Corporation	Patrick Gelsinger	\$178,590,400	\$164,139,649	66%	43%	1,711:1	\$104,400
5	Booking Holdings Inc.	Glenn D. Fogel	\$53,982,195	\$39,703,318	68%	62%	931:1	\$58,005
6	ServiceNow, Inc.	William R. McDermott	\$165,802,037	\$149,659,047	65%	57%	709:1	\$233,859
7	Las Vegas Sands Corp.	Robert G. Goldstein	\$31,204,900	\$17,417,511	34%	97%	866:1	\$35,879
8	JPMorgan Chase & Co.	James Dimon	\$84,428,145	\$69,838,805	69%	52%	917:1	\$92,112
9	Amazon.com, Inc.	Andrew R. Jassy	\$212,701,169	\$197,275,894	44%	31%	6,474:1	\$32,855
10	Apple Inc.	Timothy D. Cook	\$98,734,394	\$82,878,041	36%	38%	1,447:1	\$68,254
11	FleetCor Technologies, Inc.	Ronald F. Clarke	\$57,923,473	\$43,417,531	64%	43%	1,404:1	\$41,265
12	CenterPoint Energy, Inc.	David J. Lesar	\$37,809,810	\$23,526,039	78%	79%	366:1	\$103,170
13	Coca-Cola Company	James Quincey	\$24,883,878	\$10,332,070	49%	58%	1,791:1	\$13,894
14	Walgreens Boots Alliance Inc	Rosalind G. Brewer	\$28,333,498	\$14,742,930	38%	42%	1,084:1	\$26,255
15	TJX Companies Inc.	Ernie L. Herrman	\$31,802,000	\$17,299,165	50%	29%	2,249:1	\$14,139
16	Lennar Corporation	Richard Beckwith, Jonathan M. Jaffe	\$68,090,434	\$53,570,271	37%	51%	335:1	\$101,561
17	Yum! Brands, Inc.	David W. Gibbs	\$27,578,659	\$12,850,421	48%	30%	2,108:1	\$13,082
18	NIKE, Inc.	John J. Donahoe II	\$32,920,708	\$17,936,096	28%	29%	913:1	\$36,077
19	D.R. Horton, Inc.	David V. Auld	\$30,571,596	\$15,666,556	73%	90%	284:1	\$107,880
20	Electronic Arts Inc.	Andrew Wilson	\$39,165,820	\$24,809,412	58%	46%	316:1	\$123,935
21	Walt Disney Company	Robert Chapek	\$32,464,293	\$18,228,910	15%	20%	644:1	\$50,430
22	Walmart Inc.	C. Douglas McMillon	\$25,670,673	\$10,810,001	9%	25%	1,013:1	\$25,335
23	Analog Devices, Inc.	Vincent Roche	\$30,824,323	\$15,990,327	23%	21%	668:1	\$46,141
24	DXC Technology Company	Michael J. Salvino	\$21,733,120	\$8,226,633	53%	55%	735:1	\$42,509
25	Netflix, Inc.	Reed Hastings & Ted Sarandos	\$79,055,889	\$64,074,357	77%	73%	202:1	\$201,743

This report has a strong focus on financial manager voting, which is disclosed on an annual basis. The pay packages evaluated were those voted on in the year prior to June 30, 2022. Thus, some CEOs presented here and in Appendix A no longer hold those positions, and others have held an annual meeting and pay vote since the one covered in this report.

INTRODUCTION

For the past nine years, *As You Sow* has issued a report identifying the 100 Most Overpaid CEOs among the companies in the S&P 500 index and analyzed the voting practices of large financial managers, mutual funds, and pension funds.

Shareholder votes on CEO pay packages provide a critical and underutilized tool for restraining the worst excesses. In this year's report, we look at some of the reasons we believe the tool can be effective. This includes a review of several companies that addressed flaws and/or reduced total CEO compensation in a year following a high number of votes against pay packages.

While CEO pay continues to climb, workers pay has not increased at anywhere near the same pace. The SEC requires companies to disclose the pay ratio between the CEO of each specific company and the pay of the median worker (the employee with exactly half of other employees earning more and half of the other employees at the company earning less). In 1965, the CEO to median worker ratio was 20 to 1. By 1989 it was 59 to 1. The most recent Institute for Policy Studies (IPS) annual [Executive Excess report](#) found that the average CEO earned 670 times the annual pay of the median worker in 2021 at the largest 300 publicly traded companies.¹

Thus, some CEOs can receive a payment in one year that it would take one of their own employees 670 years, or even more, to make. This is a major factor in the increase in U.S. economic inequality in recent years. *As You Sow* includes this pay ratio as one of the factors used to identify the Most Overpaid CEOs list.

CEO COMPENSATION

Every S&P 500 company files a proxy statement with the SEC describing in detail its CEO's pay package. The compensation report in the proxy statement often claims the pay package is based on the pay of similar, or peer, companies and the pay is tied to the performance of the company and its CEO. These explanations can run to 30 pages or more, detailing numerous metrics for both short term and long term bonuses which are all supposedly related to performance. Many academics have studied how the annual ratcheting up of the pay of all CEOs is not linked to performance. See in particular *Pay without Performance* by Harvard's Lucian Bebchuk and Jesse Fried or *The CEO Pay Machine* by Steven Clifford.² As shown in Appendix F, there is almost no positive link between the pay of the CEO and the company's financial performance.

There are two main ways to measure CEO pay: grant date pay or realized pay. Grant date pay is reported in the proxy statement in its Summary Compensation Table (SCT). *As You Sow* uses grant date pay in this report. This method values stock granted to a CEO as part of pay at its market price at the time the grant is awarded or announced.

However, generally the stock vests either over time or after meeting performance metrics or both. Typically, several years pass before the CEO can sell the stock and turn this part of pay into cash. At that time its cash value may be more or less than it was when it was awarded or announced. Thus, the CEO will likely *realize* an amount that is different from that reported in the proxy statement. Similarly, the value of any stock options granted to the CEO will differ from the value placed on them when initially granted.

The realized pay method values stock and options given to the CEO at the cash value when they are sold or vested (when the CEO has the right to sell them). The realized pay method has historically been less visible and more difficult to calculate, but inclusion will be required in future proxy statements. Because of the extended bull market most CEO pay stock awards have come to be worth much more than they were originally estimated to be.

Recently the Economic Policy Institute (EPI) conducted a study of CEO pay at the top 350 firms in the United States using both the grant date and realized pay method. EPI found the average CEO in the 350 firms was paid \$15.6 million per year when measured using the grant date method and \$27.8 million per year when using the realized date method. Realized CEO pay in the 350 companies they analyzed rose by an average of \$2.8 million or 11.1 percent while grant date pay increased 9.6 percent from 2020 to 2021.³ In other words, the grant date method of valuing CEO pay greatly understates the amount of money that the CEO actually collects for work as a CEO.⁴

Insightia, a data analysis firm, using a different set of companies and a different time frame, found that realized pay for the CEOs of S&P 500 companies averaged an incredible \$65 million per year in 2021.⁵

The AFL-CIO's Paywatch website uses grant date to measure pay and has a slightly different time frame than we do, but reports that CEO pay increased in 2021 by an average of 18.2 percent. They note that this is greater than the inflation rate of 7.1 percent during that time frame, and much greater than the 4.7 percent increase in worker wages during that same time frame.⁶

A WTW (rebranded name from Willis Towers Watson) analysis – that reported only on companies that had filed proxies by the end of April 2022- found that the pay increase in 2021 was the highest since 2014. According to the analysis, “total pay for CEOs at large publicly traded companies jumped 15.7 percent in 2021, sharply higher than the 3.2 percent median increase in 2020.”⁷ Higher annual bonuses were a major component of high annual pay with annual bonuses ballooning by 39.3 percent, compared to a decline of 6.1 percent in 2020. A very high proportion of CEOs were paid above target bonus with 82 percent of the CEOs in this analysis receiving bonuses of more than 100 percent of target.⁸ This suggests a systemic easing of target criteria.

On May 15, 2022, The Wall Street Journal published figures on CEO pay showing an increase for all S&P 500 companies. Using that data, *As You Sow* found there were 137 companies (27 percent of the S&P 500 companies) where CEO pay increased by more than 30 percent over the prior year and 28 companies (five percent of S&P 500 companies) where CEO pay increased by more than 100 percent.⁹

There are many ways to measure CEO pay, but looking at pay data from 2021, there was a consistent conclusion: CEO pay was up, often sharply. The rate of increase was among the highest in recent years.

COMPARING THE PAY OF AMERICAN CEOS TO GLOBAL COMPETITORS

In 2019 WTW analyzed non-U.S. and U.S.-based public companies with sale revenues over \$10 billion a year and reported median pay. The median CEO pay in the U.S. was \$14.5 million per year. CEOs in Germany or the UK were awarded about half of that; \$6.94 million and \$6.15 million respectively. CEOs in France were awarded about a third of the median U.S. CEO pay, \$5.04 million, and CEOs in Japan were awarded about one fifth of the median U.S. CEO Pay at \$1.89 million.

Using the example of the automobile industry, and considering CEO pay across the globe supports the case that the exorbitant pay that U.S. CEOs are awarded does

not fully reflect financial performance. Table 1 lists automobile manufacturer CEO pay (converted to U.S. Dollars) from highest to lowest company revenue. Compensation for the CEOs of Ford and General Motors was significantly higher than their non-U.S. counterparts.

TABLE 1 – AUTOMOBILE MANUFACTURER CEO PAY

COMPANY (COUNTRY HQ)	REVENUE	CEO TOTAL COMPENSATION (CONVERTED TO US DOLLARS)
Volkswagen (Germany HQ)	\$295.7 billion	\$9,121,072
Toyota (Japan HQ)	\$256.6 billion	\$5,062,400
Daimler (Germany HQ)	\$158.3 billion	\$3,173,860
Ford (USA HQ)	\$136.3 billion	\$22,813,174
General Motors (USA HQ)	\$127.0 billion	\$29,136,780
Honda (Japan HQ)	\$124.2 billion	\$1,483,365

CASE STUDY ELON MUSK AT TESLA

Equity is granted under the theory that it aligns the executive's interests with that of shareholders to focus on shared future prosperity. There is no better proof of the hollowness of this argument than Elon Musk, whose record-breaking awards at Tesla appear to have done the opposite. Instead of causing Musk to share the perspective of Tesla shareholders more closely, the awards financed his purchase of Twitter and his near-continuous alienation of Tesla customers and shareholders. His actions have undermined the confidence Tesla shareholders once placed in him. Tesla's stock lost about 65% of its value in 2022. Not only has the compensation awarded to Elon Musk unaligned him from the other shareholders, but it has also ultimately contributed to a significant loss for Tesla shareholders.

Even before the Twitter purchase, Tesla directors faced a shareholder lawsuit in the Chancery Court filed in Delaware alleging that Musk's 2018 compensation - with a grant date value of \$2.6 billion and a value the plaintiffs estimate could reach \$55 billion - represented a breach of fiduciary duty and waste. Musk himself faces a claim of "unjust enrichment." The shareholder plaintiffs described the plan as "approved by a conflicted Committee and supine Board."¹⁰

The case was heard in November 2022, and the Delaware court is expected to rule on the case in the coming months.

HOW WE IDENTIFY THE 100 MOST OVERPAID CEOS

We use three rankings of the entire S&P 500 to identify the 100 that are the most overpaid.

These are:

1. HIP Investor runs a statistical regression analysis for us of the financial performance of each current S&P 500 company's five-year total returns and reported CEO Pay. ESGAUGE provided CEO compensation data and HIP Investor compared it with Total Shareholder Return (TSR) – total stock gains or losses, plus reinvested dividends. From this analysis HIP Investor computed the amount the CEO would be expected to be paid in the current year, given its latest multi-year TSR, and assuming that the pay reflects that higher or lower financial performance. If the actual pay given in the current year differs from that amount, we compute the difference and call it “excess pay” for the year. The companies are then ranked from 1 to 500, with the one with **the CEO with the most excess pay** at the top. Additional details of the regression analysis are given in Appendix C.
2. The second ranking identified the companies where the **the highest percentage of shares voted against the CEO pay package**. This measure provides something of a consensus on company shareholders' opinion. This is done with SEC form 13-F voting data provided by Insightia. The companies are then ranked from 1 to 500, with the one with the highest percentage of shares voting against the CEO pay package at the top.
3. The third ranking **compares the pay of the CEO to the median employee**. We use the CEO to median worker pay ratio, as reported by the company in its annual proxy statement, and mandated by the Dodd-Frank law. The companies are then ranked from 1 to 500, with the one with the highest CEO pay to median worker pay ratio at the top.

These three rankings are then combined into one summary ranking, weighting the first two (excess pay, percent of shares voted against) at 40 percent each, and the last one (CEO pay ratio) at 20 percent, to give us a single ranking to determine where the CEO's pay sits compared to the pay of all other CEOs in the S&P 500. The Most Overpaid 100 are listed in Appendix A.

In calculating the percentage of shareholder votes against the CEO's pay package, *As You Sow* uses the votes of those shareholders who are required to file a 13-F form by the SEC. There are two reasons this figure provides a more accurate reflection of shareholders' opinion than those reported by the company. First, some companies have multiple classes of stock, where shareholders of some classes get more votes per share than shareholders of other classes. The second reason is that the CEO, as well as other insiders, may control a significant number of shares. The SEC requires most institutional financial managers to report their votes in form 13-F, and Insightia provides us those votes. The figures for both measures of shareholder opposition to the CEO pay package can be found in Appendix B.

As an example of the difference between these ways of reporting, consider the case of Estee Lauder, the company with the second most overpaid CEO in this year's list of Overpaid CEOs. Estee Lauder has two classes of stock. Class B shares, controlled by the Lauder family, have ten times as many votes per share as the shares of ordinary investors. The company reported that overall 90.79 percent of all the share votes were in favor of the CEO's \$66 million pay package. But if you look at the shares of institutional financial managers alone, as reported on form 13-F, you will see that 70 percent of those shares voted against the CEO's pay package.

VOTING ON PAY

In 2010, as part of the Dodd-Frank financial reform bill, companies were required to allow shareholders to vote to approve or disapprove the CEO pay package at the annual meeting when they cast votes for board of directors.

Our original impetus for producing this report nearly a decade ago was our sense that (a) too many S&P 500 CEOs were being grossly overpaid and (b) too many financial managers were approving the pay packages of these grossly overpaid CEOs. Since then, we have seen an increase in the votes against these pay packages by shareholders and financial managers.

SHAREHOLDER VOTES SPUR CHANGES IN CEO PAY

When a significant number of shareholders vote against a company's CEO pay package, the company usually reaches out to them. In many cases the company makes changes in the CEO pay package for the following year; though many of those changes may not directly affect the total amount of pay. Many companies disclose information regarding those discussions and any changes made in the company's following annual proxy statement, where the CEO pay package for the following year is presented for a vote.

Increasingly, shareholders analyze this disclosure and decide whether the company has been sufficiently responsive to concerns raised. If not, some shareholders may vote against re-electing to the board compensation committee members as well as voting against the CEO pay package for a second time.

Below are some examples of companies where many shareholders voted against the CEO pay package and the CEO's pay package fell the following year.

- **Activision Blizzard**, a video game developer and publisher, reported paying its CEO, Robert Kotick, \$154 million in 2020 (1,560 times the amount the company paid its median employee). Despite the fact that the company's one-year shareholder return in 2021 was negative 28 percent, BlackRock and Vanguard, who control 15.8 percent of the shares, voted to approve that CEO pay package. However, a total of 44.4 percent of the shares voted against it. Afterward, the company dropped the CEO's pay to less than \$1 million the following year.
- **Amerisource Bergen**, a drug distributor that lost \$3.4 billion in 2020 as a result of losing a \$6.6 billion lawsuit relating to its distribution of opioid drugs, did not factor that loss into the financial performance measures used to determine the CEO's pay. Therefore the owners of 48 percent of its shares vote against the CEO's \$14 million 2020 pay package. The company then reduced the CEO's 2021 "short term incentive" bonus by \$1.8 million.
- **Aptiv**, formerly known as Delphi Automotive, makes software for self-driving cars. In 2020 the CEO's pay package totaled \$31 million, 5,294 times the amount the company paid its median employee. Aptiv was 14th on our list of the 100 Most Overpaid CEOs. Vanguard and SSgA, who control 14.3 percent of the company's shares, voted to approve its CEO pay package. However, a total of 42 percent of the company's shares voted against it. After that vote, the company reduced the CEO's pay package by more than half to \$14 million for the following year.
- **Ceridian**, a payroll processing company, paid its CEO \$32 million in 2020. The owners of 73.9 percent of shares voted against that CEO pay package. After that vote, the company reduced the CEO's pay for 2021 by 67 percent, to \$10 million.
- **Chipotle**, a fast casual Mexican restaurant company, paid its CEO \$38.3 million in 2020, 2,898 times what it paid its median worker. Chipotle's CEO was 9th on the list of the 100 Most Overpaid CEOs. BlackRock, which controls 7 percent of the company's shares, voted to approve that CEO pay package. However, in total, the owners of 48.6 percent of Chipotle shares voted against it. In the following year, 2021, the company reduced the pay of its CEO by 53 percent to \$17.8 million.
- **Hilton**, a hospitality company, paid its CEO \$55 million in 2020, 1,953 times what it paid its median worker. Hilton's CEO was sixth among the 100 Most Overpaid CEOs. BlackRock (owner of 6.7 percent of shares) voted for the \$55 million pay package (Vanguard and SSgA voted against it). In total, 43 percent of the shares voted against it. In the following year, 2021, the company decreased its CEO's pay by 58 percent, to \$23 million.
- **Paycom**, a payroll processing company, reported paying its CEO \$211 million in 2020, 2,963 times what it paid its median worker, and was listed in our report as the company with the most overpaid CEO among all the S&P 500 companies. The owners of 69.7 percent of its shares (including BlackRock, Vanguard, and SSgA) all voted against that CEO pay package. After that vote, the company reduced its CEO pay by 98 percent to \$2.9 million for the following year.

- **Prologis**, a Real Estate Investment Trust that builds and owns warehouses (that are then leased out to others) and has fewer than 2,000 employees, reported that in 2020 it paid its CEO \$34 million (330 times the \$104,000 that it paid its median employee). The owners of 48 percent of its shares objected and voted against that CEO pay package, and in 2021, the company reduced the CEO's pay by 26 percent, to \$24.9 million, and at the same time, the company raised the pay of its median employee by 10 percent to \$114,000, resulting in a CEO to median worker pay ratio that now is 218:1.

PROXY ADVISORS AND VOTING OPTIONS

Financial managers often rely on proxy advisors to evaluate CEO pay packages. The two largest proxy advisors are Institutional Shareholder Services (ISS) and Glass Lewis. Others include Egan-Jones, Segal Marco, Pensions and Investments Research Consultants (PIRC), Groupe Investissement Responsable (GIR), and Federated Hermes.

Each of these proxy advisors does an extremely detailed analysis of the CEO pay package at every S&P 500 company and then recommends a vote to approve or disapprove the package based based on this analysis. The largest proxy advisors also offer custom-designed policies as well as other policies in addition to the standard analysis. For example, Glass Lewis has seven thematic policies in addition to its standard policy. In 2022, Glass Lewis recommended voting against 14.5 percent of the CEO pay packages at S&P 500 companies and against 54 percent of the 100 Most Overpaid CEOs in its standard policy. The ESG Policy recommended against 59.4 percent of the 100 Most Overpaid CEOs and the public pension policy recommended against 58.4 percent. The policy that recommended against the highest number of Overpaid CEOs was the climate policy with votes against 68.1 percent, largely because it votes against compensation packages if they do not include environmental or social criteria.

The standard policy of ISS typically recommends voting against approximately 11 percent of the CEO pay packages at S&P 500 companies and against 45 percent of the 100 Most Overpaid CEOs. We estimate ISS's SRI policy voted against approximately 20 percent of the S&P 500 and almost half of the Most Overpaid CEO. Historically ISS's public pension fund and Taft-Hartley polices usually recommend voting against about twice as many CEO pay packages as the standard policy.

Segal Marco's standard policy recommended voting against 61.6 percent of the 100 Most Overpaid CEOs. Egan Jones recommended voting against 70 percent of the CEO pay packages of the 100 Most Overpaid CEOs while GIR recommended voting against still more, with a recommendation against 93 percent of pay packages of the 100 Most Overpaid CEOs. PIRC recommended voting against 81 percent of companies on the 100 Most Overpaid CEOs list and abstained from a vote recommendation on 18 companies on the list.

Broadridge ProxyEdge offers a policy developed by *As You Sow* that votes against the CEO pay packages that pay the CEO more than 100 times what the company pays its median worker and also those that pay CEO substantially higher than their peers. This policy resulted in votes against all of the CEO pay packages on the 100 Most Overpaid list and close to 70 percent of the CEO pay packages at S&P 500 companies.

RESULTS OF SHAREHOLDER VOTES ON CEO PAY

Each year there are more shareholder votes against CEO pay packages. In 2020 the average percent of votes against the CEO pay packages at the S&P 500 companies was 10.4 percent. In 2021 average opposition rose to 11.7 percent and in 2022 average opposition increased to 12.6 percent against. This represents a generally consistent increase in votes against CEO pay each year.

In our last report, sixteen of the S&P 500 companies had more than 50 percent of their shareholders vote against the CEO pay package. This year there was a 25 percent increase in that figure, as 21 companies saw at least 50 percent of their shares reject the pay package of the CEO. When considering just the shares controlled by institutional financial managers, almost twice as many; 33 of the S&P 500 companies had more than 50 percent of these shares reject the CEO pay package.

If we consider a lower threshold of 30 percent of company shares rejecting the CEO pay package, approximately half of the 100 Most Overpaid had rejected CEO pay packages.

VOTING PRACTICES OF INDIVIDUAL FINANCIAL FUND MANAGERS

HSBC, an international bank and financial manager headquartered in London, is the largest bank in Europe by total assets. HSBC Asset Management voted against 95 percent of pay packages from the 100 Most Overpaid CEOs list, an increase from 72.5 percent last year. Opposition against CEO pay plans at the S&P 500 also increased. HSBC adopted a new Stewardship and Engagement Plan in January of 2022 and new voting guidelines in June 2022. The voting guidelines include, as several European guidelines do, a section on quantum of pay which notes, “We are increasingly mindful of the impact high executive pay has on economic inequality and social cohesion, and therefore will vote against pay outcomes that do not meet our framework for fair executive pay.” Elsewhere on the website, HSBC framework is described as “allow[ing] the CEO to earn between 20 and 170 times the national median wage in the United States and the United Kingdom.” The fund adds that it will “scrutinize corporate pay policy individually and with nuance.”¹¹

By way of contrast, BlackRock, the largest U.S.-based financial fund manager, voted against only 5.7 percent of the S&P 500 CEO pay packages in 2022. However, this represents an increase in against votes from last year when they voted against only 4.2 percent of pay packages. In the case of CEO pay packages of the 100 Most Overpaid CEOs, BlackRock voted against 25 percent of them.

FIGURE 2 – OPPOSITION TO CEO PAY PACKAGES AT LARGE FUND MANAGERS RANKED BY ASSETS UNDER MANAGEMENT

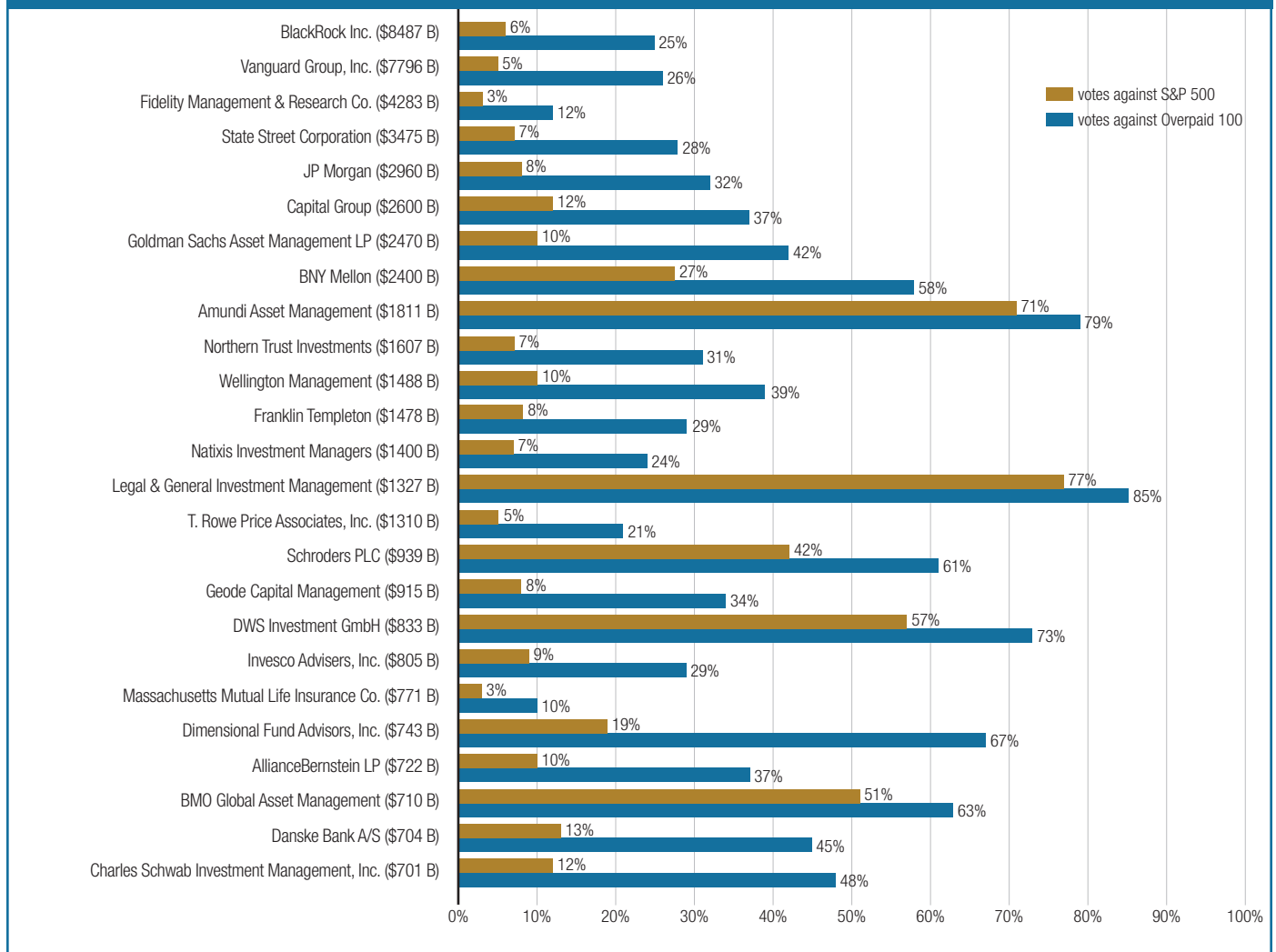
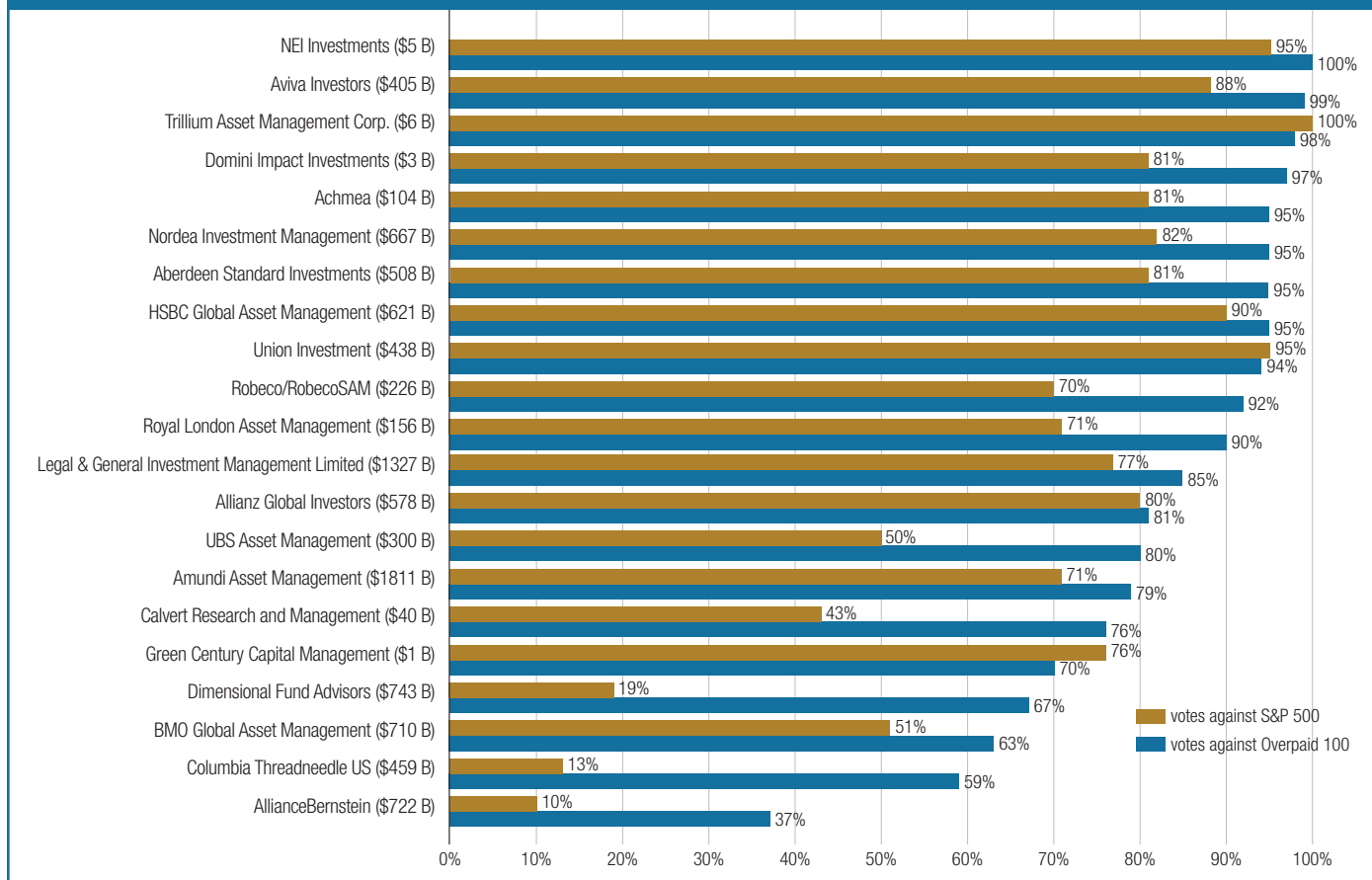


FIGURE 3 – FUND MANAGERS LIKELY TO OPPOSE CEO PAY



The next biggest U.S.-based financial manager, Vanguard, voted against only 4.8 percent of CEO pay packages at S&P 500 companies in 2022. This is about a 15 percent differential over the 4.2 percent they voted against in 2021. In the case of CEO pay packages of the 100 Most Overpaid CEOs, Vanguard voted against 26 percent of them.

Another large U.S.-based financial manager is State Street Global Advisors (SSgA). SSgA sometimes abstains from voting on a CEO pay package that they find unacceptable. In 2022 they abstained or voted against 9.6 percent of the S&P 500 CEO pay packages, a slight improvement over their 2021 record of voting against or abstaining from 9.1 percent of S&P 500 pay packages. In the case of CEO pay packages of the 100 Most Overpaid CEOs, SSgA abstained or voted against 36 percent of them.

When *As You Sow* did additional analysis of who voted yes on pay packages that most other shareholders voted against, SSgA came up a surprising number of times. They voted yes on pay at several companies where the majority of shareholders voted no. This included at least four companies where ISS and Glass Lewis both recommended no votes, and where BlackRock and Vanguard voted against. For example, in 2022, 84.6 percent of shareholders voted against the CEO’s pay package at Norwegian Cruise Lines, yet SSgA voted to approve it.

PUBLIC PENSION FUNDS DELEGATE THEIR VOTING TO FINANCIAL MANAGERS

Some pension funds vote their shares themselves, typically using one or more of the proxy advisory services. The votes of some of those funds will be described in the next section. Other pension funds delegate their voting to the financial managers they employ. Most often employed in this manner are BlackRock and State Street. In the table below, we list some of the pension funds that delegate all or part of their voting to those two financial managers.

BLACKROCK	SSgA (STATE STREET)
City of Fresno Employee Retirement System	Alaska Retirement Management Board
Employees Retirement System of the State of Hawaii	Arizona Public Safety Personnel Retirement System
Iowa Public Employees Retirement System	District of Columbia Retirement Board
Kansas Public Employees Retirement System	Fresno County Employees Retirement Association
Nebraska Public Employees Retirement System	Kansas Public Employees Retirement System
Nevada Public Employees Retirement System	Metropolitan Water Reclamation District Retirement Fund
Public Employees Retirement System of New Mexico	Nebraska Public Employees Retirement Systems
San Diego County Employees Retirement Association	Oklahoma Public Employees Retirement System
Texas Education Agency	Oklahoma Teachers' Retirement System
The Public Employees Retirement System of Mississippi	Public Employees Retirement System of New Mexico
University of Texas Investment Management Company (UTIMCO)	San Diego County Employees Retirement Association
	Tennessee Consolidated Retirement System (TCRS)
	Texas Municipal Retirement System
	The Public Employees Retirement System of Mississippi
	West Virginia Investment Management Board

VOTING PRACTICES OF PUBLIC PENSION FUNDS

The University of California Pension Fund and Endowment – \$126 Billion AUM

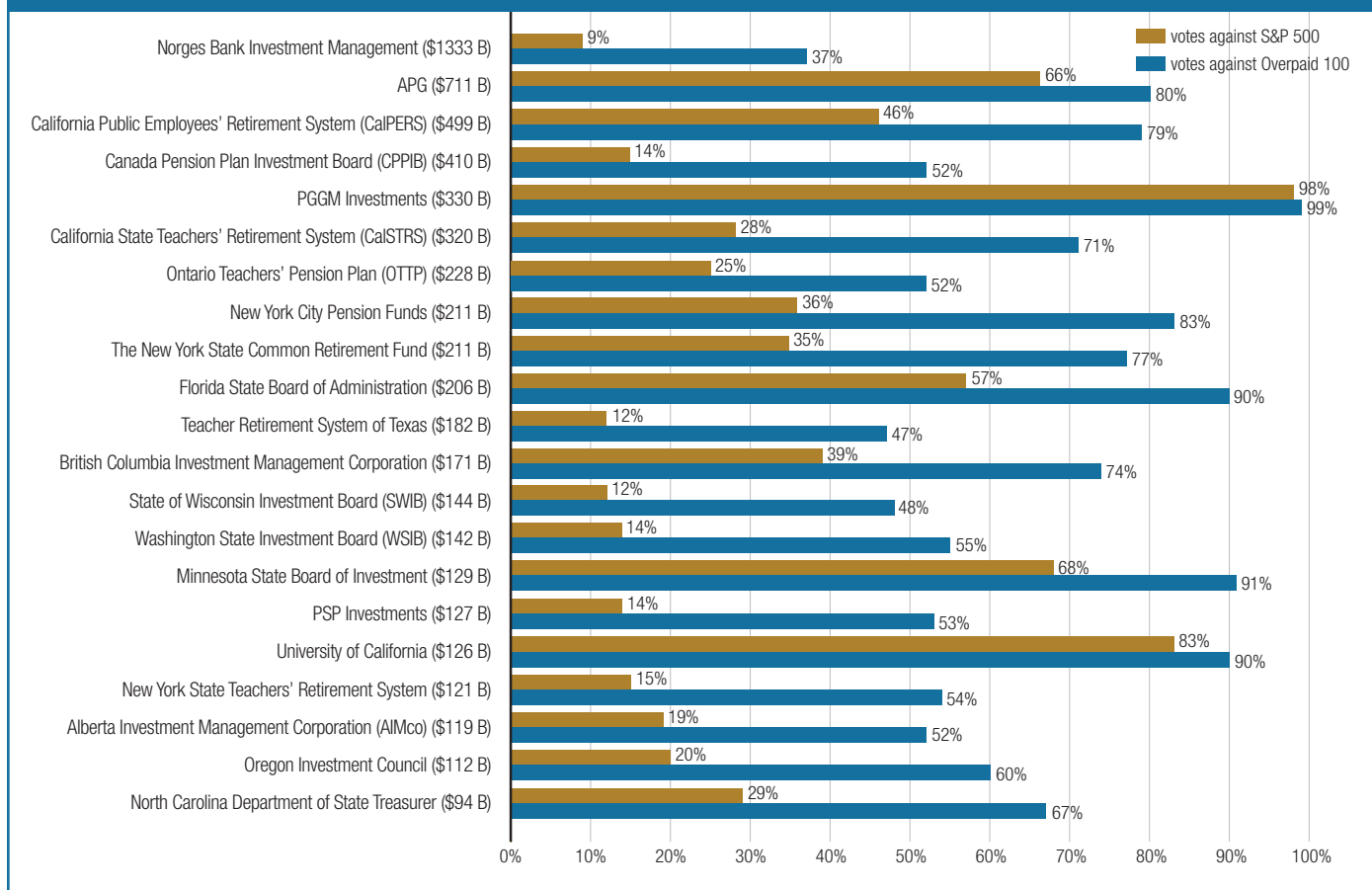
The President of the University as a whole manages funds to pay for both the pensions of University employees and \$18 billion of the University's endowment. Additional endowment funds are managed elsewhere. Using the services of a custom-designed ISS policy, the University voted against the CEO pay packages of 83 percent of the S&P 500 companies and 90 percent of the Overpaid 100. The University, using the services of ISS, publicizes its votes at each of the companies it invests in as well as summary statistics about its voting record. For each CEO pay package that they vote against, they provide a reason. One reason the University may cite is that the company is comparing the pay of its CEO to a group of companies, half of which are at least 1.5 times bigger than it is.

For example, ISS posts for the University the following reason why it voted against Apple CEO Tim Cook's latest pay package:

The percentage of the CEO's performance-based equity pay (LTIP) is less than 70%. A vote AGAINST this proposal is warranted due to concerns around equity award design and pay magnitude. While the CEO's FY21 equity award marked his first LTI award since his mega award ten years ago, half of the \$75 million award is purely time-based, and the award would continue to vest in full in the event of his retirement. Further, the company does not disclose that the award is intended to cover multiple years of future awards, despite its large size, and CEO Cook received another sizable grant of equity after the end of the fiscal year. In addition, notwithstanding that Apple is the largest company in its peer group, other NEOs consistently receive equity awards with values that approach the median total CEO pay of peers, and CEO Cook's relatively high base salary contributes to significant STI payout opportunities.¹²

See <https://vds.issgovernance.com/vds/#/MzY1OQ==/>

FIGURE 4 – OPPOSITION TO CEO PAY PACKAGES AT LARGE PENSION FUNDS RANKED BY AUM



California Public Employees' Retirement System (CalPERS) – \$499 Billion AUM

CalPERS voted against 46 percent of the S&P 500 CEO pay packages, a slight increase over the 44 percent it voted against last year. For the Overpaid 100 this year, 79 percent were voted against, compared to 76 percent voted against last year.

California State Teachers Retirement System (CalSTRS) – \$320 Billion AUM

CalSTRS voted against 28 percent of the S&P 500 CEO pay packages, a decrease from the 35 percent it voted against last year. For the Overpaid 100, this year, 71 percent were voted against, compared to 69 percent voted against last year.

New York City Employees Retirement System – \$211 Billion AUM

The New York City Pension Funds voted against 36 percent of the S&P 500 CEO pay packages, an increase from the 32 percent that it voted against last year. For the Overpaid 100 this year, 83 percent were voted against, compared to the 78 percent voted against last year. The Comptroller of the City of New York highlighted concerns with the CEO pay package at Amazon in a campaign to urge shareholders to vote against two Compensation Committee directors at due to concerns regarding the company's human capital management. Specifically, the fund noted Amazon granted, "the company's five highest-paid executives approximately \$400 million in compensation in 2021, including \$212 million in time-vested restricted stock to new CEO Andrew Jassy, exacerbating our concerns about where the Committee's priorities lie. Amazon's 6,474 to 1 CEO to median compensated employee confirms these concerns."¹³

New York State Common Retirement Fund – \$211 Billion AUM

The New York State Retirement fund voted against 35 percent of the S&P 500 CEO pay packages in 2022, a decrease from the 42 percent it voted against last year. For the Overpaid 100, this year 77 percent were voted against, same as the 77 percent voted against last year.

Florida State Board of Administration – \$206 Billion AUM

FSBA manages the pension funds for the employees and retirees of the State of Florida. It voted against 57 percent of the S&P 500 CEO pay packages, a significant decrease from the 70 percent it voted against last year. For the Overpaid 100 list, this year 90 percent were voted against, compared to 91 percent voted against last year.

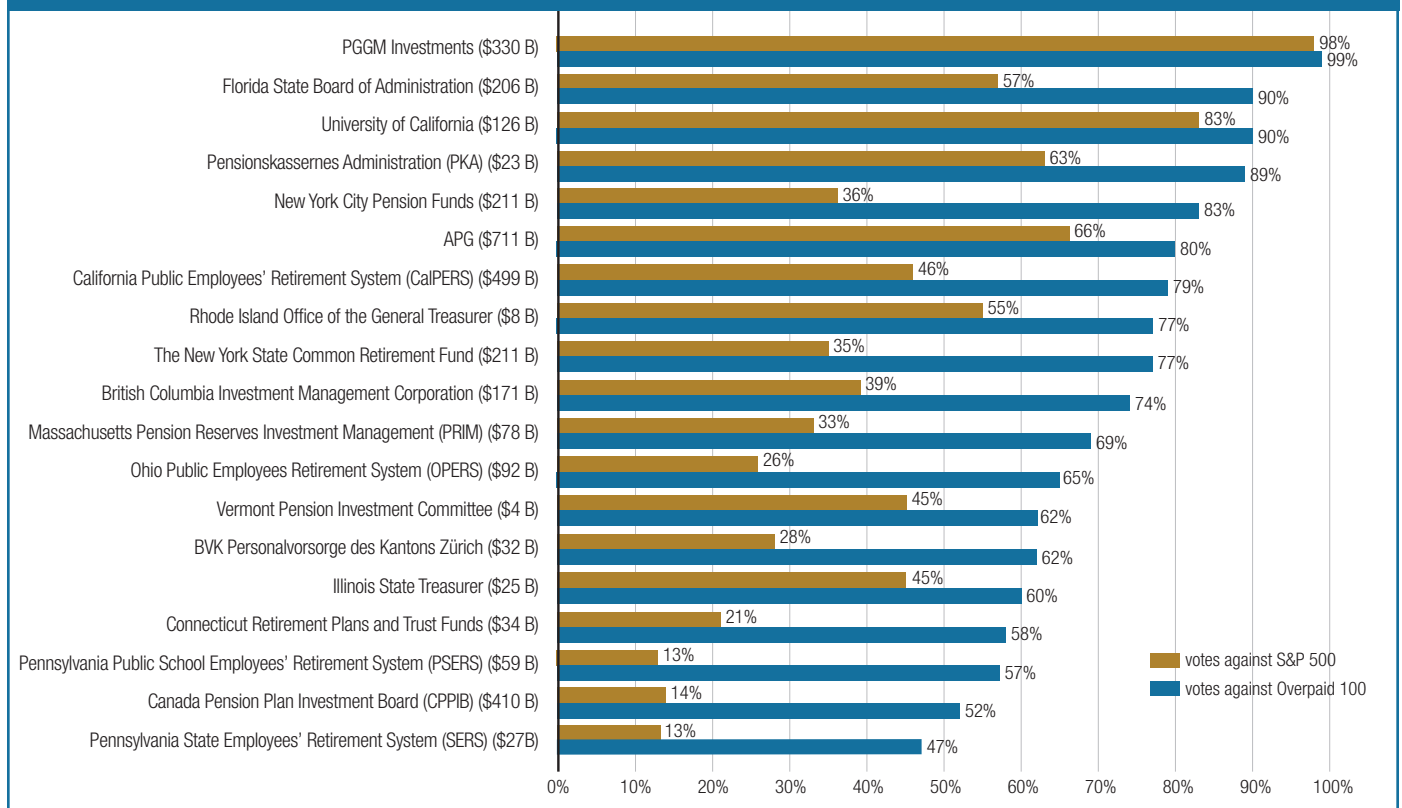
Massachusetts Pension Reserves Investment Management (PRIM) – \$78 Billion AUM

PRIM voted against 33 percent of the CEO pay packages of the S&P500 companies, an increase from the 27 percent it voted against last year. For the Overpaid 100, this year 69 percent were voted against, compared to 65 percent voted against last year.

Rhode Island Office of the General Treasurer – \$8 Billion AUM

The Treasurer’s Office manages the pension funds for the state of Rhode Island and voted against 55 percent of the S&P 500 CEO pay packages, up slightly from the 54 percent it voted against last year. For the Overpaid 100, this year 77 percent were voted against, compared to 79 percent voted against last year.

FIGURE 5 – PENSION FUNDS LIKELY TO OPPOSE CEO PAY



ADDITIONAL CASE STUDIES

CASE STUDY AMAZON, INC.

Andrew Jassy, who was promoted to replace founder Jeff Bezos as CEO in July 2021, had total compensation of \$212,701,169 for fiscal 2021. Amazon is ranked 4th on our overpaid list this year, its first appearance on the list. Jassy, who has been with Amazon for the last 25 years most recently as CEO of Amazon Web Services received \$55 million in stock awards in 2018 and 2020. He owns 94,729 shares of the company. In its proxy statement Amazon noted that for the past three years the average realized pay of “CEOs of Alphabet, Apple, and Microsoft, and for the COO of Meta, ranged from \$151 million a year to \$220 million a year.” On the one hand Amazon suggests that shareholders consider the \$214 million award as part of a ten year pay package. The references to these CEOs and their realized pay (i.e. cash plus what they received from the sale of shares and/or vesting or exercising of options) suggests shareholders should expect more large awards going forward.

The Comptroller of the City of New York urged shareholders to vote against two Compensation Committee directors due to concerns regarding the company’s human capital management. In a supplemental filing with the SEC in April they specifically note, “The Committee’s decision to grant the company’s five highest paid executives approximately \$400 million in compensation in 2021, including \$212 million in time-vested restricted stock to new CEO Andrew Jassy, exacerbates our concerns about where the Committee’s priorities lie. Amazon’s 6,474-to-1 CEO-to-median compensated employee ratio confirms these concerns.”

BlackRock and SSgA voted for the CEO pay, most shareholders voted against. This is another case where looking at the 13-F compared to the reported vote is interesting. Insightia found that only 38 percent of 13F shareholders voted for the CEO pay. Amazon reported to the SEC that 56 percent of shares were cast for CEO pay. The difference? Most likely insiders who not surprisingly almost universally vote for pay. According to the proxy statement founder, Jeff Bezos owns 13 percent of the stock.

CASE STUDY INTEL

CEO Patrick Gelsinger, who re-joined Intel in February 2021, had one of the highest reported total compensation packages this year: \$178,590,400. If the amount he was given was related to the company’s previous financial performance, HIP Investor calculates that the amount would be much lower at \$14.5 million. Thus, HIP Investor deems his excess pay to be over \$164 million. It should be noted that at the 2021 annual shareholder meeting, when the CEO was Robert Swan, Intel was ranked as the company with the 36th Most Overpaid CEO on our list. This was based on Swan’s pay of \$22 million in that year. At that meeting, 62 percent of Intel’s shares voted against that pay package. This year Intel moves up in our list of companies with the most overpaid CEO to now be number five on the list, and the percentage of shares voting against his pay package has risen to 68.8 percent. Among those voting against it were both BlackRock and Vanguard who control 17 percent of the company’s shares. SSgA voted to approve it.

CASE STUDY

PENN NATIONAL GAMING

Penn Entertainment CEO Jay Snowden, number three on our list of overpaid CEOs, had compensation for fiscal year 2021 of \$65,887,214. HIP Investor calculates that his expected pay was about \$50 million more than it should have been. Snowden was paid more than five times what the other CEOs in his peer group were paid. Snowden's pay package increased 1590 percent over the previous year while the 1 year TSR is down 40 percent.

The median employee at the company, which owns, operates, and manages casinos, hotels, and racing facilities, had total compensation for 2021 of \$33,930. As the proxy statement reports, Snowden's compensation was 1,942 times the median pay for an employee that year.

The pay package was so high that the major financial managers - BlackRock, Vanguard and SSgA - were part of the 58 percent of shares that voted against CEO pay at the company's June 7, 2022 meeting.

CONCLUSION

Multiple studies of CEO pay at S&P 500 companies come to the same conclusion. The pay is very, very high, and it is continuing to rise year after year. The totals are staggering. The total pay of all 500 CEOs in this group is \$7.7 billion per year. Of this, about half, or \$3.8 billion, goes to the 100 of them that are in our list of the 100 Most Overpaid CEOs. HIP calculates that this group of 100 people receive over \$2 billion a year in excess pay.

As this goes on, more and more shareholders are objecting. The average vote against the CEO pay package at the S&P500 companies since 2017 has risen 4.2 percentage points, or 49 percent, from 8.6 percent against in 2017 to 12.8 percent against in 2022.

APPENDIX A – THE 100 MOST OVERPAID CEOs

RANK	COMPANY	CEO	CEO PAY	EXCESS PAY	INSTITUTIONAL SHARES VOTED AGAINST	REPORTED SHARES VOTED AGAINST	CEO:WORKER PAY RATIO	MEDIAN WORKER PAY
1	Warner Bros. Discovery, Inc.	David M. Zaslav	\$246,573,481	\$232,711,591	78%	39%	2,972:1	\$82,964
2	Estee Lauder Companies Inc.	Fabrizio Freda	\$65,996,984	\$50,680,560	70%	9%	1,965:1	\$33,586
3	Penn National Gaming, Inc.	Jay A. Snowden	\$65,887,214	\$51,015,162	58%	58%	1,942:1	\$33,930
4	Intel Corporation	Patrick Gelsinger	\$178,590,400	\$164,139,649	43%	66%	1,711:1	\$104,400
5	Booking Holdings Inc.	Glenn D. Fogel	\$53,982,195	\$39,703,318	62%	68%	931:1	\$58,005
6	ServiceNow, Inc.	William R. McDermott	\$165,802,037	\$149,659,047	57%	65%	709:1	\$233,859
7	JPMorgan Chase & Co.	James Dimon	\$84,428,145	\$69,838,805	52%	69%	917:1	\$92,112
8	Las Vegas Sands Corp.	Robert G. Goldstein	\$31,204,900	\$17,417,511	97%	34%	866:1	\$35,879
9	Amazon.com, Inc.	Andrew R. Jassy	\$212,701,169	\$197,275,894	31%	44%	6,474:1	\$32,855
10	Apple Inc.	Timothy D. Cook	\$98,734,394	\$82,878,041	38%	36%	1,447:1	\$68,254
11	FleetCor Technologies, Inc.	Ronald F. Clarke	\$57,923,473	\$43,417,531	43%	64%	1,404:1	\$41,265
12	CenterPoint Energy, Inc.	David J. Lesar	\$37,809,810	\$23,526,039	79%	78%	366:1	\$103,170
13	Coca-Cola Company	James Quincey	\$24,883,878	\$10,332,070	58%	49%	1,791:1	\$13,894
14	Walgreens Boots Alliance Inc	Rosalind G. Brewer	\$28,333,498	\$14,742,930	42%	38%	1,084:1	\$26,255
15	TJX Companies Inc	Ernie L. Herrman	\$31,802,000	\$17,299,165	29%	50%	2,249:1	\$14,139
16	Lennar Corporation	Richard Beckwith & Jonathan M. Jaffe	\$68,090,434	\$53,570,271	51%	37%	335:1	\$101,561
17	Yum! Brands, Inc.	David W. Gibbs	\$27,578,659	\$12,850,421	30%	48%	2,108:1	\$13,082
18	NIKE, Inc.	John J. Donahoe II	\$32,920,708	\$17,936,096	29%	28%	913:1	\$36,077
19	Electronic Arts Inc.	Andrew Wilson	\$39,165,820	\$24,809,412	46%	58%	316:1	\$123,935
20	D.R. Horton, Inc.	David V. Auld	\$30,571,596	\$15,666,556	90%	73%	284:1	\$107,880
21	Walt Disney Company	Robert Chapek	\$32,464,293	\$18,228,910	20%	15%	644:1	\$50,430
22	Walmart Inc.	C. Douglas McMillon	\$25,670,673	\$10,810,001	25%	9%	1,013:1	\$25,335
23	Analog Devices, Inc.	Vincent Roche	\$30,824,323	\$15,990,327	21%	23%	668:1	\$46,141
24	DXC Technology Company	Michael J. Salvino	\$21,733,120	\$8,226,633	55%	53%	735:1	\$42,509
25	Netflix, Inc.	Reed Hastings & Ted Sarandos	\$79,055,889	\$64,074,357	77%	73%	202:1	\$201,743
26	Norwegian Cruise Line Holdings Ltd.	Frank J. Del Rio	\$19,668,768	\$6,399,586	62%	85%	1,018:1	\$19,319
27	TransDigm Group Incorporated	Kevin Stein	\$22,060,463	\$6,664,331	100%	48%	423:1	\$52,202
28	Global Payments Inc.	Jeffrey S. Sloan	\$23,318,393	\$8,765,295	55%	59%	415:1	\$56,202
29	Expedia Group, Inc.	Peter M. Kern	\$296,247,749	\$281,769,672	9%	6%	2,897:1	\$102,270
30	Broadcom Inc.	Hock E. Tan	\$60,703,627	\$45,377,216	34%	20%	245:1	\$247,541
31	Honeywell International Inc.	Darius Adamczyk	\$26,100,120	\$11,498,082	28%	38%	346:1	\$75,529
32	T-Mobile US, Inc.	G. Michael Sievert	\$22,610,659	\$7,901,703	77%	18%	312:1	\$72,572
33	Fidelity National Information Services, Inc.	Gary A. Norcross	\$25,023,771	\$10,729,168	24%	36%	390:1	\$64,135
34	Halliburton Company	Jeffrey A. Miller	\$23,591,982	\$9,741,498	48%	54%	291:1	\$81,076
35	General Electric Company	H. Lawrence Culp Jr.	\$22,663,449	\$9,402,997	27%	35%	412:1	\$55,064
36	Charter Communications, Inc	Thomas M. Rutledge	\$41,860,263	\$27,340,360	9%	6%	698:1	\$60,007
37	Sysco Corporation	Kevin P. Hourican	\$23,197,124	\$8,600,025	36%	38%	309:1	\$75,209
38	Applied Materials, Inc.	Gary E. Dickerson	\$35,265,559	\$19,864,015	11%	17%	323:1	\$109,304
39	Goldman Sachs Group, Inc.	David M. Solomon	\$39,545,072	\$25,084,966	20%	18%	238:1	\$165,828
40	Fox Corporation	Lachlan K. Murdoch	\$27,675,399	\$13,003,702	12%	5%	343:1	\$80,732
41	IQVIA Holdings Inc.	Ari Bousbib	\$28,615,851	\$13,489,241	29%	24%	205:1	\$139,803
42	Centene Corporation	Michael F. Neidorff	\$20,637,990	\$5,736,294	60%	66%	290:1	\$71,217
43	Paramount Global	Robert M. Bakish	\$20,035,212	\$6,479,814	97%	5%	212:1	\$94,580
44	Carnival Corporation	Arnold W. Donald	\$15,063,788	\$1,894,933	57%	36%	1,740:1	\$8,658
45	Wells Fargo & Company	Charles W. Scharf	\$21,350,906	\$7,336,567	25%	27%	290:1	\$73,578
46	Ford Motor Company	James D. Farley Jr.	\$22,813,174	\$8,226,963	13%	8%	356:1	\$64,003
47	Citigroup Inc.	Jane Fraser	\$20,541,324	\$6,508,752	16%	19%	372:1	\$55,285
48	Howmet Aerospace Inc.	John C. Plant	\$17,189,000	\$2,570,586	62%	48%	415:1	\$58,921
49	Corning Incorporated	Wendell P. Weeks	\$20,766,032	\$6,319,068	12%	10%	509:1	\$40,760
50	Johnson & Johnson	Alex Gorsky	\$26,741,959	\$12,249,565	9%	14%	297:1	\$90,000

Continued on next page

RANK	COMPANY	CEO	CEO PAY	EXCESS PAY	REPORTED SHARES VOTED AGAINST	INSTITUTIONAL SHARES VOTED AGAINST	CEO:WORKER PAY RATIO	MEDIAN WORKER PAY
51	Procter & Gamble Company	David S. Taylor	\$23,900,381	\$9,208,077	9%	9%	343:1	\$69,671
52	Micron Technology, Inc.	Sanjay Mehrotra	\$25,316,709	\$10,261,175	8%	14%	391:1	\$64,827
53	Viatis Inc	Michael Goettler	\$14,669,592	\$1,713,251	79%	80%	398:1	\$36,865
54	Caesars Entertainment, Inc.	Thomas R. Reeg	\$22,576,517	\$7,018,921	9%	10%	634:1	\$35,618
55	Etsy, Inc.	Josh Silverman	\$40,584,292	\$23,548,921	14%	17%	175:1	\$231,338
56	Visa Inc.	Alfred F. Kelly Jr.	\$30,944,838	\$15,944,269	11%	11%	211:1	\$146,420
57	First Republic Bank	James H. Herbert II & Hafize Gaye Erkan	\$41,275,730	\$26,682,070	40%	44%	110:1	\$162,300
58	CME Group Inc.	Terrence A. Duffy	\$22,924,737	\$8,030,172	72%	77%	150:1	\$153,565
59	PayPal Holdings, Inc.	Daniel H. Schulman	\$32,070,353	\$17,020,673	7%	11%	382:1	\$83,905
60	Adobe Inc.	Shantanu Narayen	\$36,128,725	\$20,763,787	9%	12%	218:1	\$165,733
61	Twitter, Inc.	Parag Agrawal	\$30,351,152	\$15,345,616	30%	42%	130:1	\$232,626
62	Accenture plc	Julie Sweet	\$23,085,391	\$7,886,531	7%	8%	1,227:1	\$18,821
63	Royal Caribbean Cruises Ltd.	Richard D. Fain	\$15,812,027	\$1,876,637	22%	21%	1,075:1	\$14,706
64	Cigna Corporation	David M. Cordani	\$19,872,266	\$5,347,592	15%	17%	297:1	\$66,917
65	Meta Platforms, Inc.	Mark Zuckerberg	\$26,823,061	\$12,368,936	52%	14%	92:1	\$292,785
66	Fiserv, Inc.	Frank J. Bisignano	\$20,385,208	\$5,808,193	11%	12%	290:1	\$70,276
67	Philip Morris International Inc.	André Calantzopoulos	\$15,349,110	\$1,258,253	23%	30%	1,055:1	\$18,196
68	Align Technology, Inc.	Joseph M. Hogan	\$21,591,400	\$6,125,042	7%	8%	1,659:1	\$13,011
69	Skyworks Solutions, Inc.	Liam K. Griffin	\$16,150,421	\$1,763,096	14%	14%	928:1	\$17,409
70	Equinix, Inc.	Charles Meyers	\$23,248,193	\$8,516,880	12%	18%	190:1	\$122,075
71	Omnicom Group Inc	John D. Wren	\$19,981,715	\$5,814,780	9%	10%	395:1	\$50,613
72	Lumen Technologies, Inc.	Jeffrey K. Storey	\$22,654,781	\$8,892,290	8%	14%	298:1	\$75,984
73	WestRock Co.	David B. Sewell	\$21,189,086	\$7,129,001	8%	12%	333:1	\$63,560
74	NextEra Energy, Inc.	James L. Robo	\$25,335,936	\$10,171,682	9%	18%	191:1	\$132,798
75	Western Digital Corporation	David V. Goeckeler	\$17,093,364	\$3,457,778	9%	18%	1,514:1	\$11,292
76	CSX Corporation	James M. Foote	\$20,006,806	\$5,005,656	38%	40%	186:1	\$107,772
77	Texas Instruments Incorporated	Richard K. Templeton	\$19,195,411	\$4,186,227	16%	17%	277:1	\$69,407
78	ConocoPhillips	Ryan M. Lance	\$23,886,640	\$9,013,827	26%	39%	133:1	\$179,428
79	Universal Health Services, Inc.	Marc D. Miller	\$14,020,942	\$(152,537)	100%	10%	309:1	\$45,454
80	Abbott Laboratories	Robert B. Ford	\$24,914,886	\$9,775,441	7%	8%	254:1	\$97,952
81	Monster Beverage Corporation	Rodney C. Sacks & Hilton H. Schlosberg	\$33,394,105	\$18,834,301	6%	5%	241:1	\$69,417
82	Monolithic Power Systems, Inc.	Michael R. Hsing	\$20,254,831	\$4,311,022	8%	28%	414:1	\$48,913
83	Travelers Companies, Inc.	Alan D. Schnitzer	\$19,853,697	\$5,308,653	20%	28%	181:1	\$109,586
84	Valero Energy Corporation	Joseph W. Gorder	\$22,684,706	\$8,003,044	28%	30%	114:1	\$198,219
85	Chevron Corporation	Michael K. Wirth	\$22,610,285	\$7,951,682	23%	27%	123:1	\$183,531
86	CVS Health Corporation	Karen S. Lynch	\$20,388,412	\$5,987,233	7%	8%	458:1	\$45,010
87	The Boeing Company	David L. Calhoun	\$21,093,605	\$6,944,188	10%	16%	169:1	\$124,844
88	Allstate Corporation	Thomas J. Wilson	\$19,066,920	\$4,412,592	8%	12%	306:1	\$62,235
89	AbbVie, Inc.	Richard A. Gonzalez	\$23,912,154	\$8,683,455	9%	11%	160:1	\$149,662
90	Starbucks Corporation	Kevin Johnson	\$20,425,163	\$5,873,479	6%	8%	1,579:1	\$12,935
91	Wynn Resorts, Limited	Matt Maddox	\$12,928,747	\$(809,143)	69%	51%	294:1	\$44,048
92	Thermo Fisher Scientific Inc.	Marc N. Casper	\$21,234,358	\$5,737,291	8%	12%	254:1	\$83,666
93	Ross Stores, Inc.	Barbara Rentler	\$15,989,635	\$1,624,246	8%	14%	1,480:1	\$10,806
94	Interpublic Group of Companies, Inc.	Philippe Krakowsky	\$17,371,647	\$2,794,237	9%	10%	290:1	\$59,814
95	Cisco Systems, Inc.	Charles H. Robbins	\$25,446,695	\$10,774,286	7%	11%	204:1	\$124,806
96	Hewlett Packard Enterprise Company	Antonio F. Neri	\$19,052,415	\$4,703,965	8%	10%	289:1	\$65,944
97	NXP Semiconductors NV	Kurt Sievers	\$20,911,892	\$6,267,243	6%	8%	417:1	\$50,138
98	Automatic Data Processing, Inc.	Carlos A. Rodriguez	\$16,985,259	\$2,031,850	12%	15%	261:1	\$64,965
99	Ameriprise Financial, Inc.	James M. Cracchiolo	\$21,229,464	\$6,217,072	10%	19%	165:1	\$129,010
100	Parker-Hannifin Corporation	Thomas L. Williams	\$17,034,500	\$2,361,600	9%	11%	303:1	\$56,274

APPENDIX B – S&P 500 COMPANIES WITH MOST SHAREHOLDER VOTES AGAINST CEO PAY

This appendix shows two ways of looking at CEO pay votes: the standard one, as disclosed by the company, and one that was created for us by Insightia, a Diligent Brand. It uses only the votes of institutional investors (those required to file SEC Form 13-F). In these calculations, those votes are used in both the numerator (shares voted against) and denominator (total shares voted) to calculate percentage opposition. We believe this gives a more accurate indication of where institutional investors are most dissatisfied, most starkly in cases where insiders own a particularly large portion of stock or there are dual class shares.

RANK	COMPANY	CEO	VOTE AGAINST (INSTITUTIONAL)	VOTE AGAINST (STANDARD)	PAY
1	TransDigm Group Incorporated	Kevin Stein	100%	48%	\$21,484,504.00
2	Universal Health Services, Inc.	Marc D. Miller	100%	10%	\$14,020,942.00
3	Paramount Global	Robert M. Bakish	97%	5%	\$20,035,212.00
4	Las Vegas Sands Corp.	Robert G. Goldstein	97%	34%	\$31,204,900.00
5	McCormick & Company, Incorporated	Lawrence E. Kurzius	96%	4%	\$12,718,656.00
6	D.R. Horton, Inc.	David V. Auld	90%	73%	\$30,571,596.00
7	Oracle Corporation	Safra A. Catz	82%	40%	\$10,631,223.00
8	Viatis Inc	Michael Goettler	79%	80%	\$14,669,592.00
9	CenterPoint Energy, Inc.	David J. Lesar	79%	78%	\$37,809,810.00
10	Warner Bros. Discovery, Inc.	David M. Zaslav	78%	39%	\$246,573,481.00
11	T-Mobile US, Inc.	G. Michael Sievert	77%	18%	\$22,610,659.00
12	Netflix, Inc.	Reed Hastings & Ted Sarandos	77%	73%	\$79,055,889.00
13	Alphabet Inc.	Sundar Pichai	76%	25%	\$6,322,599.00
14	CME Group Inc.	Terrence A. Duffy	72%	77%	\$22,924,737.00
15	Estee Lauder Companies Inc.	Fabrizio Freda	70%	9%	\$65,996,984.00
16	Wynn Resorts, Limited	Matt Maddox	69%	51%	\$12,928,747.00
17	Norwegian Cruise Line Holdings Ltd.	Frank J. Del Rio	62%	85%	\$19,668,768.00
18	Howmet Aerospace Inc.	John C. Plant	62%	48%	\$17,189,000.00
19	Enphase Energy, Inc.	Badrinarayanan Kothandaraman	62%	52%	\$19,019,162.00
20	Booking Holdings Inc.	Glenn D. Fogel	62%	68%	\$53,982,195.00
21	Centene Corporation	Michael F. Neidorff	60%	66%	\$20,637,990.00
22	Penn National Gaming, Inc.	Jay A. Snowden	58%	58%	\$65,887,214.00
23	Coca-Cola Company	James Quincey	58%	49%	\$24,883,878.00
24	Paycom Software, Inc.	Chad Richison	57%	51%	\$2,958,410.00
25	Kraft Heinz Company	Miguel Patricio	57%	29%	\$8,605,599.00
26	ServiceNow, Inc.	William R. McDermott	57%	65%	\$165,802,037.00
27	Carnival Corporation	Arnold W. Donald	57%	36%	\$15,063,788.00
28	Global Payments Inc.	Jeffrey S. Sloan	55%	59%	\$23,318,393.00
29	DXC Technology Company	Michael J. Salvino	55%	53%	\$21,733,120.00
30	JPMorgan Chase & Co.	James Dimon	52%	69%	\$84,428,145.00
31	Meta Platforms, Inc.	Mark Zuckerberg	52%	14%	\$26,823,061.00
32	Lennar Corporation	Richard Beckwith & Jonathan M. Jaffe	51%	37%	\$68,090,434.00
33	Henry Schein, Inc.	Stanley M. Bergman	51%	48%	\$10,786,180.00
34	Halliburton Company	Jeffrey A. Miller	48%	54%	\$23,591,982.00
35	Electronic Arts Inc.	Andrew Wilson	46%	58%	\$39,165,820.00
36	Vornado Realty Trust	Steven Roth	44%	29%	\$9,763,351.00
37	Intel Corporation	Patrick Gelsinger	43%	66%	\$178,590,400.00
38	FleetCor Technologies, Inc.	Ronald F. Clarke	43%	64%	\$57,923,473.00
39	Walgreens Boots Alliance Inc	Rosalind G. Brewer	42%	38%	\$28,333,498.00
40	First Republic Bank	James H. Herbert II & Hafize Gaye Erkan	40%	44%	\$41,275,730.00
41	Biogen, Inc	Michel P. Vounatsos	40%	48%	\$17,689,665.00
42	Abiomed, Inc.	Michael R. Minogue	40%	49%	\$14,848,247.00
43	CSX Corporation	James M. Foote	38%	40%	\$20,006,806.00
44	Bio-Techne Corporation	Charles R. Kummeth	38%	45%	\$15,889,896.00

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RANK	COMPANY	CEO	VOTE AGAINST (INSTITUTIONAL)	VOTE AGAINST (STANDARD)	PAY
45	Apple Inc.	Timothy D. Cook	38%	36%	\$98,734,394.00
46	Sysco Corporation	Kevin P. Hourican	36%	38%	\$23,197,124.00
47	Ventas, Inc.	Debra A. Cafaro	36%	48%	\$14,263,728.00
48	Ceridian HCM Holdings, Inc	David D. Ossip	35%	31%	\$10,626,701.00
49	ZIMMER BIOMET HOLDINGS	Bryan C. Hanson	35%	46%	\$14,981,058.00
50	Paychex, Inc.	Martin Mucci	35%	32%	\$9,627,247.00
51	Broadcom Inc.	Hock E. Tan	34%	20%	\$60,703,627.00
52	Amazon.com, Inc.	Andrew R. Jassy	31%	44%	\$212,701,169.00
53	Tesla, Inc.	Elon Musk	31%	15%	\$0
54	Yum! Brands, Inc.	David W. Gibbs	30%	48%	\$27,578,659.00
55	Hologic, Inc.	Stephen P. MacMillan	30%	30%	\$14,748,400.00
56	Twitter, Inc.	Parag Agrawal	30%	42%	\$30,351,152.00
57	IQVIA Holdings Inc.	Ari Bousbib	29%	24%	\$28,615,851.00
58	NIKE, Inc.	John J. Donahoe II	29%	28%	\$32,920,708.00
59	T.JX Companies Inc	Ernie L. Herrman	29%	50%	\$31,802,000.00
60	Valero Energy Corporation	Joseph W. Gorder	28%	30%	\$22,684,706.00
61	Honeywell International Inc.	Darius Adamczyk	28%	38%	\$26,100,120.00
62	Berkshire Hathaway Inc.	Warren E. Buffett	28%	7%	\$373,204.00
63	General Electric Company	H. Lawrence Culp Jr.	27%	35%	\$22,663,449.00
64	APA Corp	John J. Christmann IV	27%	30%	\$15,040,707.00
65	ConocoPhillips	Ryan M. Lance	26%	39%	\$23,886,640.00
66	Wells Fargo & Company	Charles W. Scharf	25%	27%	\$21,350,906.00
67	Walmart Inc.	C. Douglas McMillon	25%	9%	\$25,670,673.00
68	Coterra Energy Inc.	Dan O. Dinges	25%	26%	\$14,554,728.00
69	Fidelity National Information Services, Inc.	Gary A. Norcross	24%	36%	\$25,023,771.00
70	Chevron Corporation	Michael K. Wirth	23%	27%	\$22,610,285.00
71	Sealed Air Corporation	Edward L. Doheny II	23%	23%	\$9,674,692.00
72	Philip Morris International Inc.	André Calantzopoulos	23%	30%	\$15,349,110.00
73	Royal Caribbean Cruises Ltd.	Richard D. Fain	22%	21%	\$15,812,027.00
74	Analog Devices, Inc.	Vincent Roche	21%	23%	\$30,824,323.00
75	Becton, Dickinson and Company	Thomas E. Polen	21%	21%	\$14,189,333.00
76	Travelers Companies, Inc.	Alan D. Schnitzer	20%	28%	\$19,853,697.00
77	Walt Disney Company	Robert Chapek	20%	15%	\$32,464,293.00
78	Akamai Technologies, Inc.	F. Thomson Leighton	20%	12%	\$11,951,574.00
79	Goldman Sachs Group, Inc.	David M. Solomon	20%	18%	\$39,545,072.00
80	FedEx Corporation	Frederick W. Smith	18%	23%	\$14,325,537.00
81	Rollins, Inc.	Gary W. Rollins	18%	4%	\$8,393,601.00
82	Citizens Financial Group, Inc.	Bruce Van Saun	17%	20%	\$12,430,076.00
83	Citigroup Inc.	Jane Fraser	16%	19%	\$20,541,324.00
84	Texas Instruments Incorporated	Richard K. Templeton	16%	17%	\$19,195,411.00
85	Ralph Lauren Corporation	Patrice Louvet	15%	3%	\$12,063,568.00
86	Cigna Corporation	David M. Cordani	15%	17%	\$19,872,266.00
87	Activision Blizzard, Inc.	Robert A. Kotick	15%	12%	\$826,549.00
88	Bio-Rad Laboratories, Inc.	Norman Schwartz	15%	3%	\$8,695,925.00
89	Skyworks Solutions, Inc.	Liam K. Griffin	14%	14%	\$16,150,421.00
90	Trimble Inc.	Robert G. Painter	14%	12%	\$13,956,821.00
91	Regeneron Pharmaceuticals, Inc.	Leonard S. Schleifer	14%	12%	\$6,470,514.00
92	Etsy, Inc.	Josh Silverman	14%	17%	\$40,584,292.00
93	PPG Industries, Inc.	Michael H. McGarry	13%	5%	\$13,199,616.00
94	Lincoln National Corporation	Dennis R. Glass	13%	14%	\$16,760,924.00
95	Ford Motor Company	James D. Farley Jr.	13%	8%	\$22,813,174.00
96	Illumina, Inc.	Francis A. deSouza	12%	18%	\$14,333,634.00
97	Equinix, Inc.	Charles Meyers	12%	18%	\$23,248,193.00
98	Cardinal Health, Inc.	Michael C. Kaufmann	12%	14%	\$12,482,378.00
99	Juniper Networks, Inc.	Rami Rahim	12%	11%	\$11,870,290.00
100	Fox Corporation	Lachlan K. Murdoch	12%	5%	\$27,675,399.00

APPENDIX C – HIP INVESTOR REGRESSION ANALYSIS

This table lists Overpaid CEOs as calculated by the HIP Investor regression analysis, comparing CEO pay to company financial performance returns to shareholders.

We, like many other analysts, find very weak links between pay amounts and company financial performance. The usual justification for high executive pay is that higher pay is intended to be a reward for higher profits and above-average capital appreciation. Yet, this does not always follow – and shareholders foot the bill of excess pay. And, shareholders in firms that overpay their CEOs also may suffer lagging financial performance.

However, if we follow the assumption that pay should be determined by performance and then use a basic statistical technique to map actual performance outcomes to predicted levels of pay relative to those outcomes, we can then see how much the CEO pay package exceeded such a prediction. Those with the highest excess are ranked in the table below – and constitute this list of overpaid CEOs of the S&P 500.

Raw data included:

- **Compensation:** Total disclosed compensation collected from the SEC proxy disclosure (DEF 14A) from 2011 to 2021 on an annual rhythm. Collected by ESGAUGE for the latest 2021 data and ISS prior to that.
- **Financial indicator:** Total return (capital gains and dividends) on the company's primary equity. This is calculated from the Refinitiv Return Index on an annual rhythm using trailing periods behind June 30 of the year of the pay package. Performance factors were calculated across one-year, three-year, and five-year windows, trailing behind each possible pay year. Thus, data were considered as far back as 2007.

Calculation:

- Each (company, year) value is paired with the different performances for that year, and then for each performance measure, the regression is calculated.
- After verifying that the regressions for the time periods are comparable, a waterfall is implemented to use the financial indicator for each company with the longest time window (five-year over three-year over the one-year window) to calculate the expected compensation based on performance and the regressions.
- All calculations are performed in Python 3 using JupyterLab.

As part of arriving at this methodology, we considered other financial and compensation metrics, including compensation of the highest-paid named executive officer, the total compensation to all named executive officers combined, and return on invested capital (ROIC).

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RANK	COMPANY	CEO	EXPECTED CEO PAY BASED ON PERFORMANCE	ACTUAL CEO PAY	AMOUNT OF OVERPAY	EXCESS PAY
1	Expedia Group, Inc.	Peter M. Kern	\$14,478,077	\$296,247,749	\$281,769,672	1,946%
2	Warner Bros. Discovery, Inc.	David M. Zaslav	\$13,861,890	\$246,573,481	\$232,711,591	1,679%
3	Amazon.com, Inc.	Andrew R. Jassy	\$15,425,275	\$212,701,169	\$197,275,894	1,279%
4	Intel Corporation	Patrick Gelsinger	\$14,450,751	\$178,590,400	\$164,139,649	1,136%
5	ServiceNow, Inc.	William R. McDermott	\$16,142,990	\$165,802,037	\$149,659,047	927%
6	Apple Inc.	Timothy D. Cook	\$15,856,353	\$98,734,394	\$82,878,041	523%
7	JPMorgan Chase & Co.	James Dimon	\$14,589,340	\$84,428,145	\$69,838,805	479%
8	Netflix, Inc.	Reed Hastings & Ted Sarandos	\$14,981,532	\$79,055,889	\$64,074,357	428%
9	Lennar Corporation	Richard Beckwith & Jonathan M. Jaffe	\$14,520,163	\$68,090,434	\$53,570,271	369%
10	Penn National Gaming, Inc.	Jay A. Snowden	\$14,872,052	\$65,887,214	\$51,015,162	343%
11	Estee Lauder Companies Inc.	Fabrizio Freda	\$15,316,424	\$65,996,984	\$50,680,560	331%
12	Broadcom Inc.	Hock E. Tan	\$15,326,411	\$60,703,627	\$45,377,216	296%
13	FleetCor Technologies, Inc.	Ronald F. Clarke	\$14,505,942	\$57,923,473	\$43,417,531	299%
14	Booking Holdings Inc.	Glenn D. Fogel	\$14,278,877	\$53,982,195	\$39,703,318	278%
15	Salesforce, Inc.	Marc Benioff & Bret Taylor	\$14,999,373	\$51,396,527	\$36,397,154	243%
16	Microsoft Corporation	Satya Nadella	\$15,821,287	\$49,858,280	\$34,036,993	215%
17	Charter Communications, Inc	Thomas M. Rutledge	\$14,519,903	\$41,860,263	\$27,340,360	188%
18	First Republic Bank	James H. Herbert II & Hafize Gaye Erkan	\$14,593,660	\$41,275,730	\$26,682,070	183%
19	Goldman Sachs Group, Inc.	David M. Solomon	\$14,460,106	\$39,545,072	\$25,084,966	173%
20	Electronic Arts Inc.	Andrew Wilson	\$14,356,408	\$39,165,820	\$24,809,412	173%
21	Etsy, Inc.	Josh Silverman	\$17,035,371	\$40,584,292	\$23,548,921	138%
22	CenterPoint Energy, Inc.	David J. Lesar	\$14,283,771	\$37,809,810	\$23,526,039	165%
23	Adobe Inc.	Shantanu Narayen	\$15,364,938	\$36,128,725	\$20,763,787	135%
24	Morgan Stanley	James P. Gorman	\$14,876,586	\$34,941,635	\$20,065,049	135%
25	Applied Materials, Inc.	Gary E. Dickerson	\$15,401,544	\$35,265,559	\$19,864,015	129%
26	Comcast Corporation	Brian L. Roberts	\$14,320,181	\$33,978,581	\$19,658,400	137%
27	Monster Beverage Corporation	Rodney C. Sacks & Hilton H. Schlosberg	\$14,559,804	\$33,394,105	\$18,834,301	129%
28	Walt Disney Company	Robert Chapek	\$14,235,383	\$32,464,293	\$18,228,910	128%
29	NIKE, Inc.	John J. Donahoe II	\$14,984,612	\$32,920,708	\$17,936,096	120%
30	BlackRock, Inc.	Laurence D. Fink	\$14,848,676	\$32,587,335	\$17,738,659	119%
31	Las Vegas Sands Corp.	Robert G. Goldstein	\$13,787,389	\$31,204,900	\$17,417,511	126%
32	TJX Companies Inc	Ernie L. Herrman	\$14,502,835	\$31,802,000	\$17,299,165	119%
33	PayPal Holdings, Inc.	Daniel H. Schulman	\$15,049,680	\$32,070,353	\$17,020,673	113%
34	Analog Devices, Inc.	Vincent Roche	\$14,833,996	\$30,824,323	\$15,990,327	108%
35	Visa Inc.	Alfred F. Kelly Jr.	\$15,000,569	\$30,944,838	\$15,944,269	106%
36	D.R. Horton, Inc.	David V. Auld	\$14,905,040	\$30,571,596	\$15,666,556	105%
37	Twitter, Inc.	Parag Agrawal	\$15,005,536	\$30,351,152	\$15,345,616	102%
38	General Motors Company	Mary T. Barra	\$14,339,313	\$29,136,780	\$14,797,467	103%
39	Walgreens Boots Alliance Inc	Rosalind G. Brewer	\$13,590,568	\$28,333,498	\$14,742,930	108%
40	IQVIA Holdings Inc.	Ari Bousbib	\$15,126,610	\$28,615,851	\$13,489,241	89%
41	Advanced Micro Devices, Inc.	Lisa T. Su	\$16,375,727	\$29,498,107	\$13,122,380	80%
42	Fox Corporation	Lachlan K. Murdoch	\$14,671,697	\$27,675,399	\$13,003,702	89%
43	Yum! Brands, Inc.	David W. Gibbs	\$14,728,238	\$27,578,659	\$12,850,421	87%
44	United Parcel Service, Inc.	Carol Tomé	\$14,882,726	\$27,620,893	\$12,738,167	86%
45	Meta Platforms, Inc.	Mark Zuckerberg	\$14,454,125	\$26,823,061	\$12,368,936	86%
46	Johnson & Johnson	Alex Gorsky	\$14,492,394	\$26,741,959	\$12,249,565	85%
47	Honeywell International Inc.	Darius Adamczyk	\$14,602,038	\$26,100,120	\$11,498,082	79%
48	AT&T Inc.	John T. Stankey	\$13,774,936	\$24,820,879	\$11,045,943	80%
49	PepsiCo, Inc.	Ramon Laguarta	\$14,561,307	\$25,506,607	\$10,945,300	75%
50	Walmart Inc.	C. Douglas McMillon	\$14,860,672	\$25,670,673	\$10,810,001	73%

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RANK	COMPANY	CEO	EXPECTED CEO PAY BASED ON PERFORMANCE	ACTUAL CEO PAY	AMOUNT OF OVERPAY	EXCESS PAY
51	Cisco Systems, Inc.	Charles H. Robbins	\$14,672,409	\$25,446,695	\$10,774,286	73%
52	Fidelity National Information Services, Inc.	Gary A. Norcross	\$14,294,603	\$25,023,771	\$10,729,168	75%
53	American Express Company	Stephen J. Squeri	\$14,984,638	\$25,513,922	\$10,529,284	70%
54	Coca-Cola Company	James Quincey	\$14,551,808	\$24,883,878	\$10,332,070	71%
55	Micron Technology, Inc.	Sanjay Mehrotra	\$15,055,534	\$25,316,709	\$10,261,175	68%
56	Dow Inc.	Jim Fitterling	\$14,674,393	\$24,858,892	\$10,184,499	69%
57	NextEra Energy, Inc.	James L. Robo	\$15,164,254	\$25,335,936	\$10,171,682	67%
58	Sempra Energy	Jeffrey W. Martin	\$14,591,900	\$24,675,982	\$10,084,082	69%
59	Abbott Laboratories	Robert B. Ford	\$15,139,445	\$24,914,886	\$9,775,441	65%
60	Hasbro, Inc.	Brian D. Goldner	\$13,950,896	\$23,714,681	\$9,763,785	70%
61	Halliburton Company	Jeffrey A. Miller	\$13,850,484	\$23,591,982	\$9,741,498	70%
62	Pfizer Inc.	Albert Bourla	\$14,673,571	\$24,353,219	\$9,679,648	66%
63	Prologis, Inc.	Hamid Moghadam	\$15,376,519	\$24,901,490	\$9,524,971	62%
64	General Electric Company	H. Lawrence Culp Jr.	\$13,260,452	\$22,663,449	\$9,402,997	71%
65	Intuit Inc.	Sasan K. Goodarzi	\$15,624,770	\$24,929,237	\$9,304,467	60%
66	Exxon Mobil Corporation	Darren W. Woods	\$14,272,450	\$23,572,488	\$9,300,038	65%
67	Caterpillar Inc.	D. James Umpleby III	\$15,065,686	\$24,298,032	\$9,232,346	61%
68	Procter & Gamble Company	David S. Taylor	\$14,692,304	\$23,900,381	\$9,208,077	63%
69	General Dynamics Corporation	Phebe N. Novakovic	\$14,369,663	\$23,553,861	\$9,184,198	64%
70	Match Group, Inc.	Sharmistha Dubey	\$16,276,244	\$25,397,675	\$9,121,431	56%
71	Bank of America Corporation	Brian T. Moynihan	\$14,681,855	\$23,729,169	\$9,047,314	62%
72	ConocoPhillips	Ryan M. Lance	\$14,872,813	\$23,886,640	\$9,013,827	61%
73	Lumen Technologies, Inc.	Jeffrey K. Storey	\$13,762,491	\$22,654,781	\$8,892,290	65%
74	Raytheon Technologies Corporation	Gregory J. Hayes	\$14,532,809	\$23,316,063	\$8,783,254	60%
75	Global Payments Inc.	Jeffrey S. Sloan	\$14,553,098	\$23,318,393	\$8,765,295	60%
76	AbbVie, Inc.	Richard A. Gonzalez	\$15,228,699	\$23,912,154	\$8,683,455	57%
77	Archer-Daniels-Midland Company	Juan R. Luciano	\$14,859,905	\$23,508,841	\$8,648,936	58%
78	Chubb Ltd	Evan G. Greenberg	\$14,566,571	\$23,181,184	\$8,614,613	59%
79	Sysco Corporation	Kevin P. Hourican	\$14,597,099	\$23,197,124	\$8,600,025	59%
80	Equinix, Inc.	Charles Meyers	\$14,731,313	\$23,248,193	\$8,516,880	58%
81	News Corporation	Robert J. Thomson	\$14,589,139	\$23,024,845	\$8,435,706	58%
82	Hilton Worldwide Holdings Inc	Christopher J. Nassetta	\$15,035,274	\$23,285,248	\$8,249,974	55%
83	Ford Motor Company	James D. Farley Jr.	\$14,586,211	\$22,813,174	\$8,226,963	56%
84	DXC Technology Company	Michael J. Salvino	\$13,506,487	\$21,733,120	\$8,226,633	61%
85	CME Group Inc.	Terrence A. Duffy	\$14,894,565	\$22,924,737	\$8,030,172	54%
86	Valero Energy Corporation	Joseph W. Gorder	\$14,681,662	\$22,684,706	\$8,003,044	55%
87	Chevron Corporation	Michael K. Wirth	\$14,658,603	\$22,610,285	\$7,951,682	54%
88	T-Mobile US, Inc.	G. Michael Sievert	\$14,708,956	\$22,610,659	\$7,901,703	54%
89	Accenture plc	Julie Sweet	\$15,198,860	\$23,085,391	\$7,886,531	52%
90	American International Group, Inc.	Peter Zaffino	\$14,144,848	\$21,905,220	\$7,760,372	55%
91	Wells Fargo & Company	Charles W. Scharf	\$14,014,339	\$21,350,906	\$7,336,567	52%
92	Amgen Inc.	Robert A. Bradway	\$14,543,714	\$21,721,154	\$7,177,440	49%
93	Autodesk, Inc.	Andrew Anagnost	\$14,956,220	\$22,095,521	\$7,139,301	48%
94	WestRock Co.	David B. Sewell	\$14,060,085	\$21,189,086	\$7,129,001	51%
95	Schwab Charles Corp	Walter W. Bettinger II	\$14,819,829	\$21,938,404	\$7,118,575	48%
96	eBay Inc.	Jamie Iannone	\$14,591,828	\$21,685,102	\$7,093,274	49%
97	Caesars Entertainment, Inc.	Thomas R. Reeg	\$15,557,596	\$22,576,517	\$7,018,921	45%
98	The Boeing Company	David L. Calhoun	\$14,149,417	\$21,093,605	\$6,944,188	49%
99	NVIDIA Corporation	Jen-Hsun Huang	\$16,816,441	\$23,737,661	\$6,921,220	41%
100	Phillips 66 Company	Greg Garland	\$14,286,175	\$20,953,206	\$6,667,031	47%

APPENDIX D – FINANCIAL FUND MANAGERS’ OPPOSITION TO CEO PAY

This table summarized more than 100 financial fund managers on their CEO pay votes at all S&P 500 companies and the 100 companies with the Most Overpaid CEOs.

FINANCIAL MANAGER	AUM IN BILLIONS	VOTES AGAINST S&P 500	VOTES AGAINST TOP100
abrdn	\$508	81%	95%
Achmea	\$104	81%	95%
Achmea Investment Management	\$131	78%	91%
Advance Asset Management (Multi-Managed)	\$29	5%	21%
AEGON Investment Management B.V	\$461	12%	44%
AllianceBernstein LP	\$722	10%	37%
Allianz Global Investors	\$578	80%	81%
Allspring Global Investments	\$648	11%	40%
American Beacon Advisors, Inc.	\$69	7%	19%
American Century	\$234	14%	37%
Amundi Asset Management	\$1,811	71%	79%
Amundi Asset Management (Japan)	\$40	71%	78%
Amundi Asset Management US	\$101	13%	44%
Andra AP-Fonden	\$35	88%	88%
AQR Capital Management LLC	\$145	12%	45%
Aristotle Capital Management	\$50	7%	17%
Artemis Investment Management LLP	\$35	21%	40%
Artisan Partners	\$176	13%	39%
Assetmark, Inc.	\$60	5%	30%
Aviva Investors	\$405	88%	99%
AXA Equitable Life Insurance Co. (Multi-Managed)	\$-	3%	13%
AXA Investment Managers	\$112	78%	87%
Azzad Asset Management, Inc.	\$1	100%	100%
BAMCO Inc.	\$45	22%	39%
Baring Asset Management	\$40	12%	45%
Barrow, Hanley, Mewhinney & Strauss, LLC	\$47	10%	37%
Bessemer Investment Management LLC	\$48	13%	41%
BlackRock Inc.	\$8,487	6%	25%
BMO Global Asset Management	\$710	51%	63%
BNP Paribas Asset Management	\$535	96%	98%
BNY Mellon	\$2,400	27%	58%
BNY Mellon (Multi-Managed)	\$583	32%	61%
Boston Common Asset Management, LLC	\$6	48%	67%
Boston Management and Research	\$131	12%	44%
Boston Partners	\$87	12%	36%
Boston Trust Walden Company	\$-	32%	54%
Brandywine Global Investment Management	\$69	9%	42%
Brown Advisory LLC	\$121	11%	31%
Calamos Advisors LLC	\$42	0%	0%
Calvert Research and Management, Inc.	\$40	43%	76%
CANDRIAM	\$128	96%	96%
Capital Group	\$2,600	12%	37%
Charles Schwab Investment Management, Inc.	\$701	12%	48%
Christian Brothers Investment Services (CBIS)	\$11	22%	51%
City National Rochdale, LLC	\$58	11%	31%
ClearBridge Investments LLC	\$190	14%	38%
Columbia Threadneedle UK	\$468	14%	46%
Columbia Threadneedle US	\$459	13%	59%

FINANCIAL MANAGER	AUM IN BILLIONS	VOTES AGAINST S&P 500	VOTES AGAINST TOP100
Cornerstone Capital Management LLC	\$14	13%	46%
Coronation Fund Managers Ltd	\$36	22%	39%
Credit Suisse Asset Management LLC	\$508	88%	98%
D.E. Shaw Investment Management	\$28	14%	48%
Danske Bank A/S	\$704	13%	45%
Davenport & Company LLC	\$21	22%	52%
Delaware Management Company (Macquarie)	\$257	11%	40%
Diamond Hill Capital Management, Inc	\$31	4%	14%
Dimensional Fund Advisors, Inc.	\$743	19%	67%
Domini Impact Investments LLC	\$3	81%	97%
DoubleLine Capital	\$134	0%	0%
DWS Investment GmbH	\$833	57%	73%
DWS Investment Management Americas, Inc.	\$207	12%	48%
Eagle Asset Management, Inc.	\$39	12%	47%
Eaton Vance Management, Inc.	\$86	17%	45%
EdenTree Investment Management	\$3	97%	100%
Engine No. 1	\$-	12%	44%
Epoch Investment Partners	\$34	13%	42%
Erste Asset Management	\$66	17%	42%
Everence Capital Management, Inc.	\$2	90%	100%
Federated Hermes Equity Ownership Services	\$44	44%	78%
Federated Investment Management Co.	\$422	7%	27%
Fidelity Institutional Asset Management	\$182	3%	12%
Fidelity International	\$401	17%	35%
Fidelity Management & Research Co. (FMR)	\$4,283	3%	12%
First Pacific Advisors LLC	\$30	4%	10%
First Sentier Investors	\$155	18%	60%
First Trust Advisors LP	\$224	13%	48%
Fisher Investments	\$209	14%	36%
Fjarde Ap-Fonden	\$37	89%	91%
Första AP-fonden (AP1)	\$34	89%	90%
Fort Washington Investment Advisors, Inc.	\$78	16%	39%
Franklin Templeton	\$1,478	8%	29%
Fred Alger Management, Inc	\$37	21%	58%
GAMCO Investors	\$13	2%	1%
Geode Capital Management	\$915	8%	34%
Global X Management Co. LLC	\$44	14%	54%
Goldman Sachs Asset Management LP	\$2,470	10%	42%
Grantham, Mayo, Van Otterloo Co. LLC	\$72	0%	0%
Green Century Capital Management, Inc.	\$1	76%	70%
Guggenheim Investments	\$255	12%	47%
GuideStone Funds	\$29	44%	60%
Harbor Capital Advisors, Inc	\$65	9%	29%
Harding Loevner LLC	\$75	11%	19%
Harris Associates	\$120	2%	5%
HSBC Global Asset Management	\$621	90%	95%
INTECH Investment Management LLC	\$46	10%	42%
Invesco Advisers, Inc.	\$805	9%	29%

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FINANCIAL MANAGER	AUM IN BILLIONS	VOTES AGAINST S&P 500	VOTES AGAINST TOP100
Invesco Asset Management Limited	\$113	9%	30%
Invesco Canada Ltd.	\$25	10%	38%
Invesco Capital Management LLC	\$478	10%	35%
Irish Life Investment Managers Limited	\$118	22%	56%
Janus Henderson Group PLC	\$300	11%	43%
Janus Henderson Investors (US)	\$269	6%	20%
Jennison Associates LLC	\$246	14%	47%
JP Morgan	\$2,960	8%	32%
Kempen Capital Management	\$63	25%	56%
KLP Kapitalforvaltning	\$60	22%	52%
La Française Asset Management	\$76	19%	45%
Lazard Asset Management LLC	\$177	11%	35%
Legal & General Investment Management	\$1,327	77%	85%
Liontrust Asset Management PLC	\$372	15%	44%
Lombard Odier Investment Managers	\$45	12%	44%
Loomis, Sayles & Co. LP	\$264	15%	33%
Lord Abbett & Co. LLC	\$262	7%	20%
Los Angeles Capital Management and Equity Research, Inc.	\$37	14%	54%
LSV Asset Management	\$109	12%	51%
M&G Investments	\$360	10%	38%
MacKay Shields LLC	\$164	13%	47%
Manulife Investment Management	\$221	11%	40%
Mason Street Advisors, LLC	\$32	5%	21%
Massachusetts Mutual Life Insurance Co.	\$771	3%	10%
Mercy Investment Services	\$-	22%	53%
MetLife Inc.	\$558	12%	44%
MFS Investment Management, Inc.	\$557	7%	30%
Morgan Stanley Investment Management, Inc.	\$633	18%	58%
Mutual of America Capital Management Corporation	\$21	12%	47%
Nationwide Fund Advisors	\$96	13%	47%
Natixis Investment Managers	\$1,400	7%	24%
NEI Investments	\$5	95%	100%
Neuberger Berman Group	\$365	11%	43%
New York Life Investment Management LLC	\$111	11%	37%
Newton Investment Management	\$60	52%	74%
Ninety One	\$129	10%	32%
Nordea Bank Oyj	\$667	82%	95%
Northern Trust Investments	\$1,607	7%	31%
Nuveen Asset Management LLC	\$298	13%	49%
Old Mutual PLC	\$48	19%	48%
Pacer Advisors, Inc	\$12	14%	54%
PanAgora Asset Management, Inc.	\$44	12%	48%
Parametric Portfolio Associates, LLC	\$429	32%	70%
Parnassus Investments	\$53	22%	48%
Penn Mutual Asset Management, LLC	\$35	3%	13%
PenSam	\$17	12%	41%

FINANCIAL MANAGER	AUM IN BILLIONS	VOTES AGAINST S&P 500	VOTES AGAINST TOP100
PFM Asset Management LLC	\$130	6%	29%
PGIM Quantitative Solutions LLC	\$122	17%	53%
Pictet Asset Management Limited	\$273	13%	47%
PineBridge Investments LLC	\$69	12%	44%
PRIMECAP Management Co.	\$154	4%	10%
Principal Global Investors LLC	\$340	12%	45%
Principal Global Investors LLC (Multi-Managed)	\$-	7%	28%
ProShares	\$65	13%	48%
Putnam Investment Management LLC	\$116	4%	16%
Rafferty Asset Management, LLC	\$31	13%	48%
Railpen (RMPI)	\$39	79%	77%
Rathbones	\$49	17%	46%
RBC Global Asset Management, Inc.	\$476	12%	46%
Reflection Asset Management	\$3	76%	81%
RhumbLine Advisers Ltd. Partnership	\$96	22%	57%
Robeco/RobecoSAM	\$226	70%	92%
Royal London Asset Management	\$156	71%	90%
Russell Investment Management Co.	\$330	16%	58%
Schroders PLC	\$939	42%	61%
Securian Asset Management, Inc.	\$55	13%	56%
SEI Investments Management Corp.	\$223	14%	55%
SEI Investments Management Corp. (Multi-Managed)	\$-	13%	53%
State Street Corporation	\$3,475	7%	28%
Sterling Capital Management LLC	\$75	11%	41%
Storebrand Asset Management	\$85	16%	44%
SunAmerica Asset Management Corp.	\$63	13%	48%
Swedbank Robur	\$154	99%	98%
Swisscanto	\$160	25%	61%
T. Rowe Price Associates, Inc.	\$1,310	5%	21%
TCW Asset Management Co., Inc.	\$65	19%	37%
Thompson, Siegel & Walmsley	\$24	21%	50%
Thrivent Investment Management, Inc.	\$13	13%	47%
TIAA-CREF Asset Management LLC	\$283	8%	30%
TKP Investments	\$33	12%	45%
Trillium Asset Management Corp.	\$6	100%	98%
UBS Asset Management	\$300	50%	80%
UBS Asset Management (Multi-Managed)	\$-	17%	25%
Union Investment	\$438	95%	94%
United Church Funds	\$1	22%	58%
United Services Automobile Association (USAA)	\$155	11%	40%
Van Eck Associates Corp.	\$68	17%	52%
Vanguard Group, Inc.	\$7,796	5%	26%
Victory Capital Management, Inc.	\$170	12%	46%
Voya Investment Management	\$330	16%	45%
Waddell & Reed Investment Management Co.	\$33	12%	34%
Wellington Management	\$1,488	10%	39%

APPENDIX E – PENSION FUND OPPOSITION TO CEO PAY

Data provided by Insightia, a Diligent Brand.

FUND NAME	AUM IN BILLIONS	VOTES AGAINST S&P 500	VOTES AGAINST TOPI00
Alberta Investment Management Corporation (AIMco)	\$119	19%	52%
AP Pension (Danish Pension Fund)	\$20	12%	45%
APG (Dutch Pension Fund)	\$711	66%	80%
Arizona State Retirement System	\$41	24%	67%
ASR Nederland (Dutch Insurance Company)	\$67	11%	43%
AustralianSuper (Australian Pension Fund)	\$99	74%	86%
Aware Super (Australian Pension Fund)	\$53	14%	48%
bpfBOUW (Dutch Pension Fund)	\$53	66%	80%
BPL Pensioen (Dutch Pension Fund)	\$19	85%	94%
British Columbia Investment Management Corporation	\$171	39%	74%
Brunel Pension Partnership (British Pension Fund)	\$40	71%	80%
BVK Personalvorsorge des Kantons Zürich (Swiss Pension Fund)	\$32	28%	62%
Caisse de depot et placement du Quebec	\$307	19%	48%
California Public Employees' Retirement System (CalPERS)	\$499	46%	79%
California State Teachers' Retirement System (CalSTRS)	\$320	28%	71%
Canada Pension Plan Investment Board (CPPIB)	\$410	14%	52%
Catholic Super (Australian Pension Fund)	\$7	21%	25%
Cbus Super (Australian Pension Fund)	\$34	13%	48%
Colorado PERA (Public Employees' Retirement Association of Colorado)	\$49	13%	58%
Connecticut Retirement Plans and Trust Funds	\$34	21%	58%
Florida State Board of Administration	\$206	57%	88%
Illinois State Treasurer	\$25	45%	60%
Illinois State Universities Retirement System (SURS) (Multi-Managed)	\$23	22%	55%
Local Pensions Partnership (LPP) (British Pension Fund)	\$21	17%	48%
Los Angeles City Employees' Retirement System (LACERS)	\$23	10%	43%
Los Angeles County Employees Retirement Association (LACERA)	\$59	29%	61%
Los Angeles Fire & Police Pensions	\$21	13%	48%
Louisiana State Employees' Retirement System (LASERS)	\$14	44%	76%
Loyola University of Chicago	\$2	30%	60%
Maine PERS	\$14	20%	56%
Maryland State Retirement and Pension System	\$54	12%	47%
Massachusetts Pension Reserves Investment Management (PRIM)	\$78	33%	69%
Migros Pensionskasse (Swiss Pension Fund)	\$25	14%	37%
Minnesota State Board of Investment	\$129	68%	91%
New Hampshire Retirement System	\$8	10%	43%
New Mexico Educational Retirement Board	\$13	16%	45%
New York City Pension Funds	\$211	36%	83%

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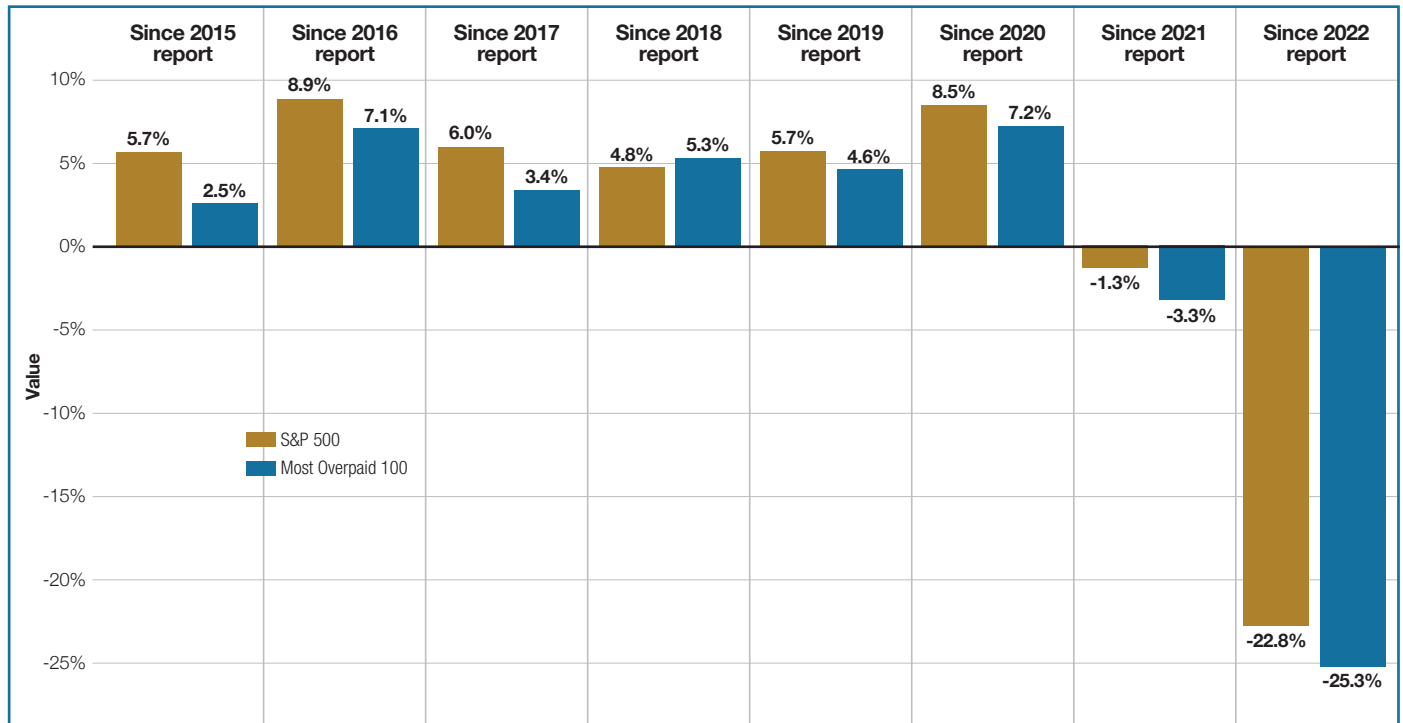
FUND NAME	AUM IN BILLIONS	VOTES AGAINST S&P 500	VOTES AGAINST TOP100
New York State Common Retirement Fund	\$211	35%	77%
New York State Teachers' Retirement System	\$121	15%	54%
Norges Bank Investment Management	\$1,333	9%	37%
North Carolina Department of State Treasurer	\$94	29%	67%
Ohio Public Employees Retirement System (OPERS)	\$92	26%	65%
Ohio State Teachers' Retirement System	\$81	10%	47%
Ontario Municipal Employees Retirement System (OMERS)	\$97	5%	6%
Ontario Teachers' Pension Plan	\$228	25%	52%
Oregon Investment Council	\$112	20%	60%
Pennsylvania Public School Employees' Retirement System (PSERS)	\$59	13%	57%
Pennsylvania State Employees' Retirement System (SERS)	\$27	13%	47%
Pensioenfond Metaal en Techniek (Dutch Pension Fund)	\$81	100%	100%
Pensioenfond Vervoer (Dutch Pension Fund)	\$33	77%	90%
Pensionskasse SBB (Swiss Pension Fund)	\$17	83%	100%
Pensionskassernes Administration (PKA) (Swiss Pension Fund)	\$23	63%	89%
PGGM Investments (Dutch Pension Fund)	\$330	98%	99%
PSP Investments (Canadian Pension Fund)	\$127	14%	53%
Rabobank Pensioenfond (Dutch Pension Fund)	\$33	69%	92%
Rhode Island Office of the General Treasurer	\$8	55%	77%
San Francisco Employees Retirement System	\$25	34%	65%
SunSuper (Australian Pension Fund)	\$42	7%	29%
Texas Education Agency	\$47	20%	53%
Texas Employees Retirement System	\$33	12%	47%
Texas Teacher Retirement System	\$182	12%	47%
The Pension Boards-United Church of Christ, Inc. (PBUCC)	\$3	20%	60%
University of California	\$126	83%	90%
Vermont Pension Investment Committee	\$4	45%	62%
Washington State Investment Board (WSIB)	\$142	14%	55%
Wisconsin State Investment Board (SWIB)	\$144	12%	48%
School Employees Retirement System of Ohio (SERS)	\$17	24%	63%

APPENDIX F – OVERPAID CEOS UNDERPERFORM YEAR AFTER YEAR

By HIP Investor (Onindo Khan and R. Paul Herman)

FIGURE 1: SIGNIFICANT PERFORMANCE GAP BETWEEN THE S&P 500 AND THE 100 MOST OVERPAID

TSR since the publishing of each CEO Pay report from 2015-2022



Since 2015, *As You Sow* has identified the 100 Most Overpaid CEOs. Since 2017, HIP Investor has analyzed the relationship between excessive CEO compensation and typically lagging financial returns for shareholders invested in the 100 most overpaid firms.

This year, we had data from eight reports to analyze and look back on. Although the S&P 500 has seen huge dips and rallies (Covid, Ukraine war, interest rate rises), we found one consistency: **overpaid CEOs underperform.**

For the most overpaid CEOs from seven out of eight reports, we found that the most overpaid 100 companies, as a cohort, underperformed the S&P 500, thus impacting investor portfolios that have not divested, under-weighted, or even shorted their stock.

As of September 30, 2022, the most overpaid 100 cohort was down and lagging the S&P 500 for all but one report from 2015 through 2022. To returning readers of this report, this is no surprise. Last year, we observed an even stronger pattern of consistent underperformance where each and every most overpaid 100 company was lagging the S&P 500.

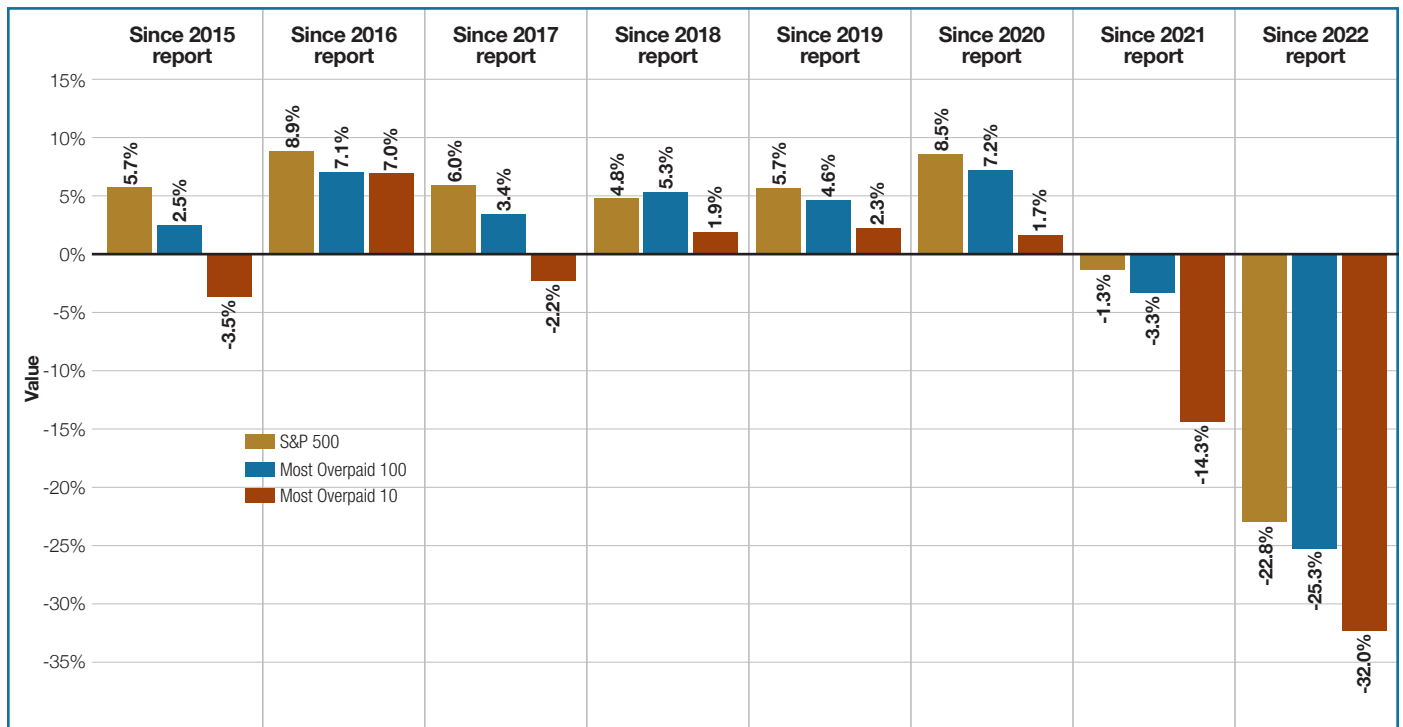
Beginning with the 2017 report, *As You Sow* and HIP Investor have been highlighting different dimensions of underperformance. From the initial 2015 most overpaid list to the firms recurring as the most consistently overpaid in 2020, we continue to see that overpaying a CEO typically does not pay off for shareholders (with one exception in the 2018 report that was boosted by some high flyers).

In 2021 we highlighted the most consistently overpaid; this year, we want to put our focus on the ten most overpaid. At the same time, the lagging 100 most overpaid were down between 1 and 3 percentage points on the S&P 500, the ten most overpaid of each report underperformed by 2 to 13 percentage points. In 2015, 2017, 2021, and last year's 2022 reports, the ten most overpaid all underperformed by over eight percentage points.

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FIGURE 2: SIGNIFICANT PERFORMANCE GAP BETWEEN THE S&P 500, THE 100 AND 10 MOST OVERPAID

TSR since publishing of each CEO Pay report from 2015-2022



This concentration of underperformance is matched by a concentration in compensation. On average, 10 percent of compensation paid to all S&P500 CEOs only goes to the ten most overpaid. That means 2 percent of CEOs get 10 percent of compensation.

Calculating these averages across all reports, leads to an astounding amount of money. The CEOs who did not make the list received an average compensation of under US\$9.5 million. The ten most overpaid, however, received seven times that amount – on average more than US\$60 million.

For comparison to front-line workers and citizens, this figure is 3,978 years of the latest U.S. minimum wage. A person working for nearly four millennia could have spent their first workday with one of the last woolly mammoths around 2000 B.C. and still be working today. A whole village of 95 minimum-wage workers would have to combine their entire life earnings to reach US\$60 million.

At the same time, these two percent of CEOs managed to lead their companies to an average underperformance of over -6 percent annualized. The boards responsible for these pay packages have, over the years since 2015, wasted an extra US\$4 billion on sub-par performance – overpaying for underperformance is not what boards are supposed to achieve, but rather a prudent investment of resources and mitigation of long-term risks.

While these numbers are staggering, this year's ten most overpaid CEOs – 10 white men with an average age of 60 – doubled their average compensation to US\$120 million. The boards of this year's ten most overpaid decided that a total investment of US\$1.2 billion on ten people was the best way their companies could use their resources. Warner Bros. Discovery and its predecessor Discovery have been in the top 20 every year. This year, its board decided to pay its CEO David M. Zaslav a total of US\$246 million (16,000 years, or 388 life earnings).

Your portfolio is your money. The companies and funds you invest in should be aligned with your values and way of seeing the world. The most overpaid CEO pay packages are approved by boards, elected by you – the investor – and the asset managers who hold their stocks in mutual funds and ETFs. We encourage you as investors to speak up, vote your “say on pay,” and compel the companies and funds in your portfolio with this evidence – which can benefit your long-term financial performance and a more appropriate level of rewards for results achieved.

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