

Pension Funded Status Tracker

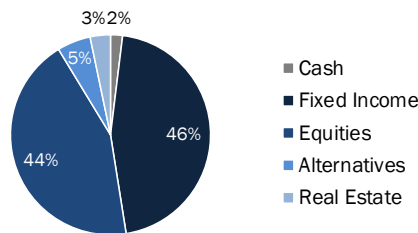
April 2020

ASSET MANAGEMENT | REPORT

The funded status of the average U.S. corporate defined benefit pension plan improved by 2% from 82% to 84%, between the beginning and end of April 2020.

- » The asset portfolio increased in value as both the hedging and growth portfolios outperformed:
 - Global equities witnessed a rebound after a volatile first quarter.
 - Within fixed income, both U.S. treasuries and corporate bonds increased in value.
- » Liabilities also increased in value, mostly driven by a contraction in corporate bond spreads:
 - Both interest rates and high quality corporate bond spread tightened.
 - As a result, the effective discount rate dropped by 46 basis points in April.

Asset Allocation



Prepared by Conning, Inc. Source: ©2020 Bloomberg, L.P. As of April 30, 2020

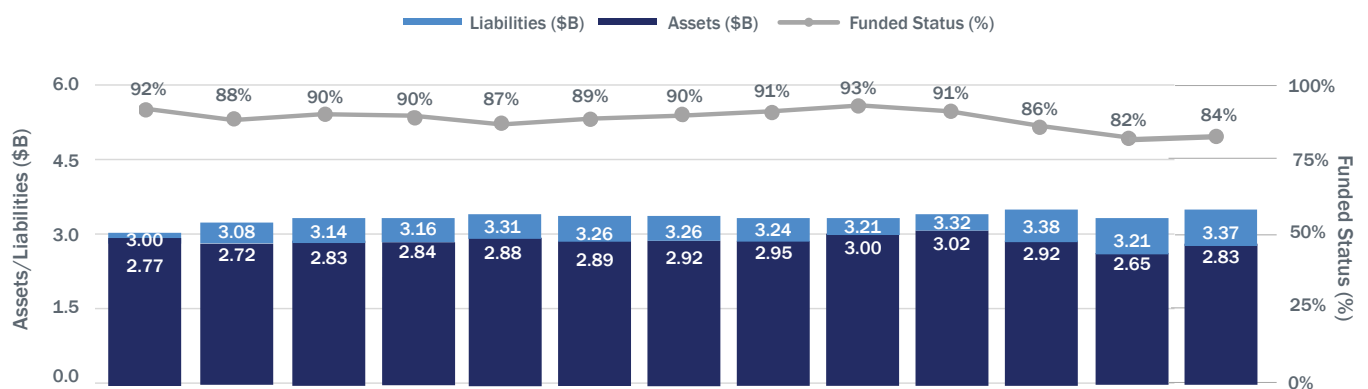
Key Metrics

Pension Plan	Assets	Liabilities†	Funded Status†
Valuation (\$B)	2.83	3.37	84%
Duration (Yr)	5.8	11.5	Interest Rate Hedge Ratio
Dollar Duration (\$mm)	1.6	3.9	
Yield* / Discount Rate	2.2%	2.4%	42%

Prepared by Conning, Inc. Source: ©2020 Bloomberg L.P. April 30, 2020. *Yield quoted is duration-weighted yield

† Funded Status is hypothetical and calculated according to the Data and Methodology section outlined on Page 3. Refer to the Hypothetical Model Disclosures (page 3) for more important information.

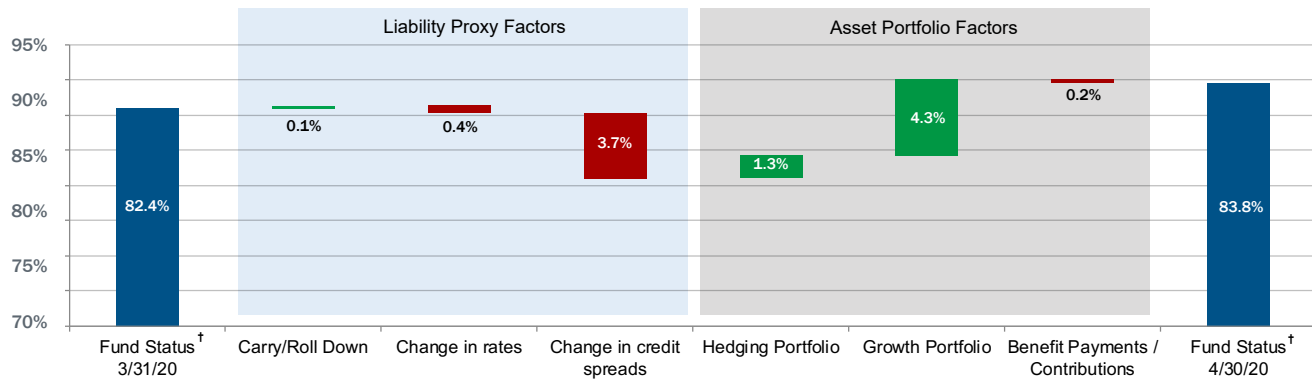
Pension Plan Tracker (April 30, 2020)†



	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr'20
Funded Status (%)	92%	88%	90%	90%	87%	89%	90%	91%	93%	91%	86%	82%	84%
Assets (\$B)	2.77	2.72	2.83	2.84	2.88	2.89	2.92	2.95	3.00	3.02	2.92	2.65	2.83
Liabilities (\$B)	3.00	3.08	3.14	3.16	3.31	3.26	3.26	3.24	3.21	3.32	3.38	3.21	3.37
Discount Rate (GAAP)	3.6%	3.4%	3.2%	3.1%	2.7%	2.8%	2.8%	2.8%	2.9%	2.6%	2.4%	2.9%	2.4%

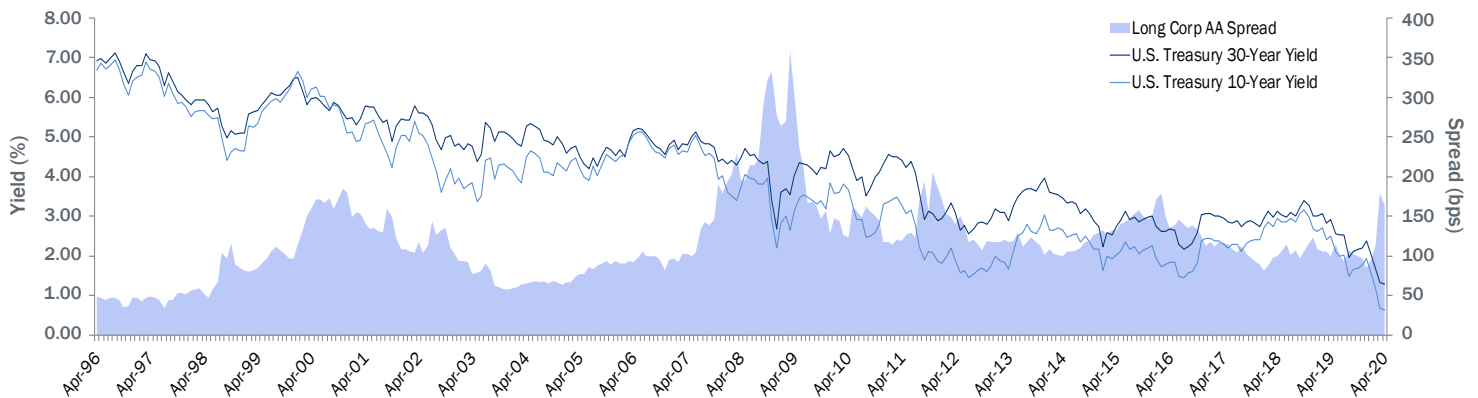
† Pension Plan Tracker results presented do not reflect actual performance. The results are hypothetical, and are generated according to the Data and Methodology section outlined on Page 3. Refer to the Hypothetical Model Disclosures (page 3) for more important information. Prepared by Conning, Inc. for illustrative purposes only. Source: ©2019-2020 Bloomberg, L.P.

Funded Status Attribution (March 31, 2020 – April 30, 2020)



† Funded Status Attribution presented does not reflect actual performance. The results are hypothetical, and are generated according to the Data and Methodology section outlined on Page 3. Refer to the Hypothetical Model Disclosures (page 3) for more important information. Chart shows the liability proxy and asset portfolio factors that contributed to the change in funded status over the month. Prepared by Conning, Inc., for illustrative purposes only. Source: ©2020 Bloomberg, L.P.

Yields and Corporate Spreads



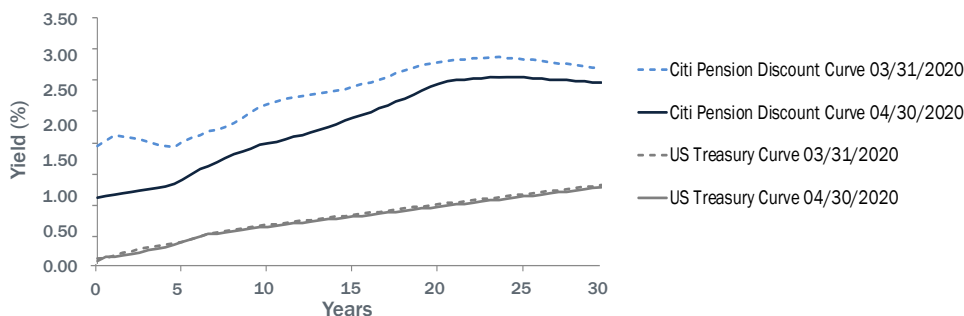
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Market Performance (April 30, 2020)

	MTD	QTD	YTD
Equities	S&P 500	12.8%	-9.3%
	Russell 2000	13.7%	-21.1%
	MSCI World ACWI	10.8%	-12.8%
	EAFE	6.6%	-17.7%
	MSCI Emerging Markets	9.2%	-16.6%
Alternatives	Private Equity	14.3%	-24.8%
	Hedge Funds	4.8%	-5.6%
	Real Estate	9.1%	-17.5%
Fixed Income	High Yield	4.5%	-8.8%
	US Aggregate	1.8%	3.0%
	US Long Gov/Credit	4.5%	11.0%
	US Long Credit	6.7%	1.7%
	US Long Corporate AA	3.7%	6.8%
	US Treasury 10 Yrs	1.1%	13.1%
US Treasury 30 Yrs	1.7%	28.7%	

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Liability Discount Curve



Prepared by Conning, Inc. Source: ©2020 Bloomberg L.P. and ©2020 Analytics provided by "The Yield Book"® Software and Services/London Stock Exchange Group plc

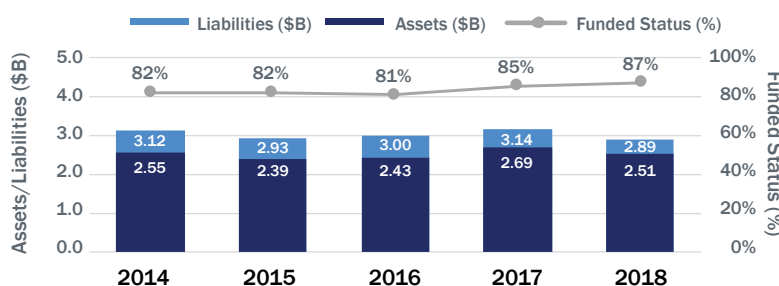
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Pension Plan Tracker (Annual 2014 – 2018)



Conning Pension Risk Analyzer®

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Contact us at LDI@conning.com

	2014	2015	2016	2017	2018
Funded Status (%)	82%	82%	81%	85%	87%
Assets (\$B)	2.55	2.39	2.43	2.69	2.51
Liabilities (\$B)	3.12	2.93	3.00	3.14	2.89
Discount Rate (GAAP)	4.2%	4.1%	3.9%	3.6%	3.8%

Prepared by Conning, Inc. Source: ©2014-2018 Bloomberg, L.P.

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Data and Methodology

Conning's Funded Status Tracker is a monthly publication that tracks the performance of the average defined benefit pension plan (the "Plan") of select corporate sponsors comprising a subset of the Russell 3000 Index. The data in this monthly review was reported in the 10-Ks of 658 publicly traded companies from the Russell 3000 index for the 2018 year-end.† Further, the Funded Status Tracker was updated retroactively to reflect published 10-K data for the 2018 year-end. All months of 2019 have been restated to account for the, now known, 2018 year-end position. In addition, the annual tracking of the 10-K data for the years 2014-2017 have been restated to reflect the change of the underlying universe of 496 plans to the current universe of 658 plans. The monitoring of 2019 months will continue until 2018 10-Ks become available, at which point, the same methodology will be applied to include 2018 year-end position with the subsequent 2019 months retroactively updated. Note: these assets may include non-U.S. pension plans. In aggregate, these 496 entities reported \$1.8 trillion in plan assets and \$2.2 trillion in plan liabilities at year end 2018.

The average plan size of the subset of the Russell 3000 index universe outlined above is approximately \$2.51 billion in assets and \$2.89 billion in liabilities, as of December 31, 2018. The Plan's liability is a hypothetical cash flow generated from our proprietary model to reflect a 13-year duration and valuation equivalent to the Plan's PBO on a US GAAP valuation basis as at the end of 2017, but allowed to drift with market conditions during the following year.

It is important to note that asset definitions are not uniform. Conning's analysis of companies' financial statements has found that some firms only report individual stocks as equities, while other firms include stock mutual funds. A similar mixing of types occurs in fixed income. In this analysis, Conning has used the allocations as reported by the companies and not adjusted them. Funded status is the percentage of liabilities that are covered by assets. Interest rate hedge ratio is the dollar duration of assets as a percentage of liability dollar duration.

†For the periods 2014-2018, data from 389 publicly traded companies were used. These companies were selected because they had consistently filed pension data every year for the period from 2014 through to 2018. However, for the year 2018: an aggregate of 658 publicly traded companies were used since by this time more companies reported on a consistent basis.

LDI Hypothetical Model Disclosures

The proprietary model analysis presented herein is for illustrative purposes only. The model relies on a number of assumptions that are generally stated in the Data and Methodology and within the illustrations. The assumptions can be subject to significant uncertainties and contingencies, and such illustrations may change materially in response to small changes in one or more of such assumptions. The data used for this model was obtained from sources deemed reliable, and then organized by Conning, Inc. and was not audited by any third party. Errors could have occurred in the data, in the calculations, or in the preparation of this analysis. Therefore, information contained in this analysis may not be precise. C:10214357