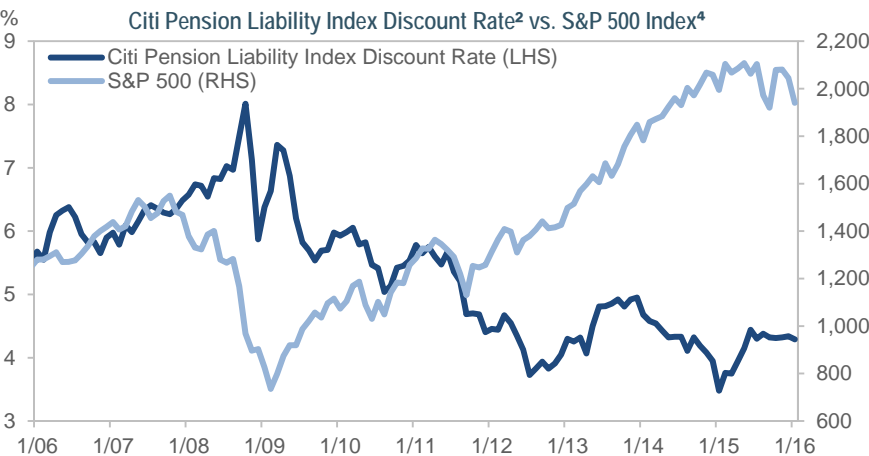


LDI Highlights

- Corporate pension funded status fell for the fourth straight month in January, declining roughly 2% to 81%, the lowest level since March 2015.¹
 - Falling asset levels were the primary driver, as equity markets returned roughly -5% on the heels of global growth concerns and weakness in commodities; discount rates dropped slightly by 0.05%.^{4,2}
- Long corporate issuance remained strong with ~\$22 billion coming to market, however, ~\$17 billion was a result of the Anheuser-Busch InBev mega-deal.⁶
- AA-rated long corporate bonds outperformed the Long Corporate Index by 1.53% and BBB-rated long corporates by 2.55% in January.³
 - Long corporate spreads widened 30bps during the month, while the spread between AA-rated and BBB-rated long corporate bond yields has moved to 147bps, its widest level since March of 2009.

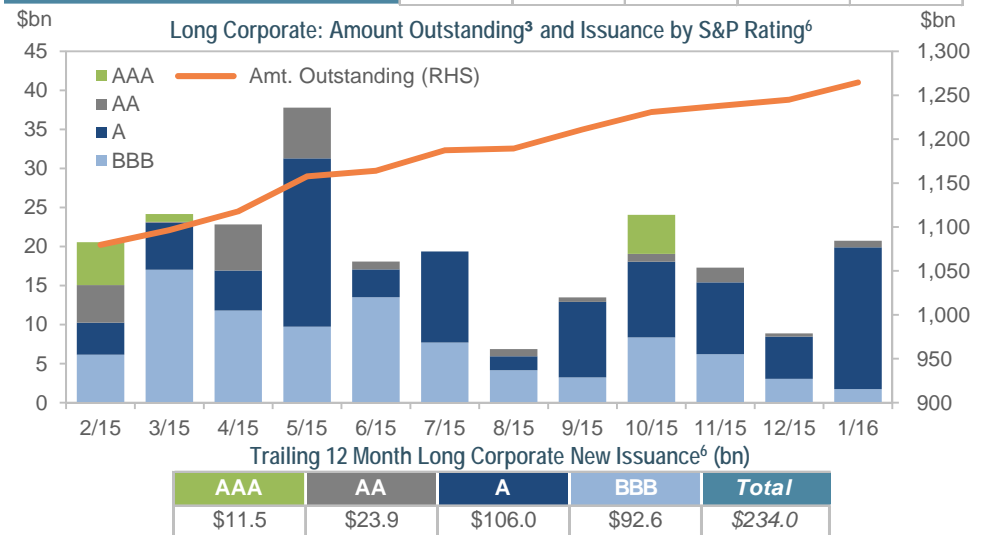
Rates Monitor	1/31/16	12/31/15	12/31/14
Citigroup Pension Discount Rate ² (%)	4.29	4.34	3.95
Barclays Long Credit Yield ³ (%)	4.99	5.02	4.40
Barclays Long Corporate Yield ³ (%)	5.06	5.06	4.42
Barclays Long BBB Corporate Yield ³ (%)	5.71	5.60	4.80
30 Year Swap Rate ⁴ (%)	2.27	2.64	2.70
Long BBB Corp. Yield ³ – Citi Pension Discount Rate ² (bps)	142	126	85



IR+M LDI Corner: Keep Your Eyes on the Road

- LDI is a long-term strategy, with the focus on removing risk as opportunities are presented and ensuring hedging portfolios help protect the funded status of sponsors' defined benefit plans from market volatility.
- January was another challenging month for plan sponsors – falling equity markets and lower discount rates continued the trend of decreasing corporate pension funded status amidst uneasy global markets.
- As a result, AA-rated bonds outperformed during a flight-to-quality which likely caused many fixed income portfolios to underperform the AA-rated liabilities they are designed to hedge. The scarcity of AA-rated issuers and the desire to outperform downgrade immune liabilities, necessitates plans investing outside the AA-rated universe.
- Despite a tough month for funded status, it is worth remembering that plans who opportunistically took de-risking steps to remove equity risk experienced less of the downturn in January than they might have otherwise.

Glidepath Monitor	1/31/16	12/31/15	1/31/15	1/31/14	1/31/13
Funded Status ¹ (%)	80.9	82.7	77.5	84.7	80.8
Long Credit Rates ⁵ (%)	4.99	5.02	4.03	5.01	4.53
Long Credit Spreads ⁵ (bps)	252	225	193	168	176
Curve ³ (Long Cred - Int. Cred) (bps)	217	210	193	275	256
Curve ³ (Long G/C - Agg) (bps)	170	161	142	216	199



¹Milliman; ²Citigroup; ³Barclays; ⁴Bloomberg; ⁵Long rates and long spreads represented by Barclays Long Credit Index yield and spread; ⁶JP Morgan
 All data in the above commentary is as of 1/31/16. Yields are represented as of the aforementioned date and are subject to change. The views contained in this report are those of IR+M and are based on information obtained by IR+M from sources that are believed to be reliable. This report is for informational purposes only and is not intended to provide specific advice, recommendations for, or projected returns of any particular IR+M product. No part of this material may be reproduced in any form, or referred to in any other publication, without express written permission from Income Research & Management.