

LDI Highlights

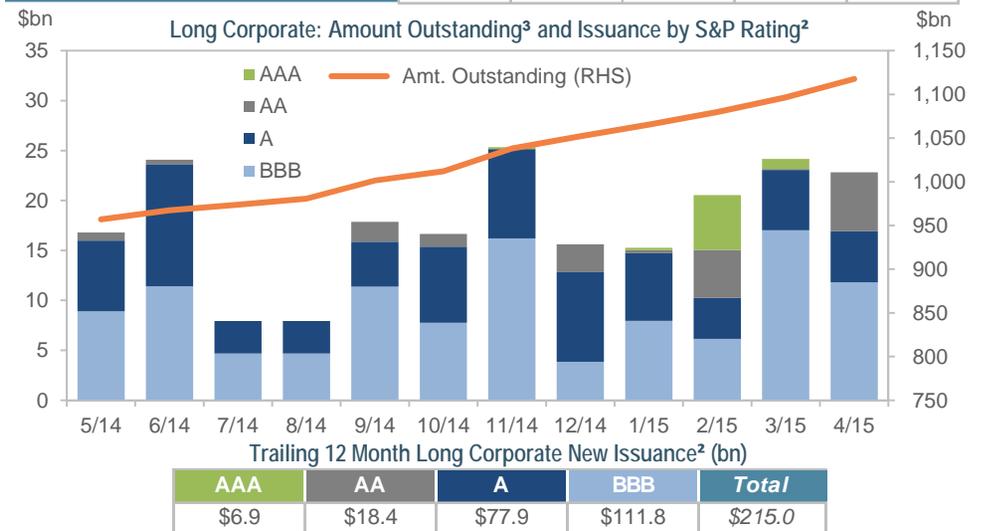
- The funded status of corporate pensions rose by 1% to 81% in April, driven by rising discount rates; asset returns were relatively flat.
 - Long AA-rated corporate yields rose by 18bps following long-dated Treasury rates higher on the month and are now 46bps higher than the year-to-date low of 3.47%.
- Year-to-date corporate issuance reached \$420 billion during April, setting a new record-issuance pace to begin the year.
 - Long-corporate issuance made up \$85 billion (20%) of the total year-to-date, versus an average of \$36 billion (13%) since 2000.
- The 10s30s credit-spread curve flattened slightly during April but remains at a historically steep level at 50bps.

Rates Monitor	4/30/15	3/31/15	12/31/14
Citigroup Pension Discount Rate ¹ (%)	3.95	3.75	3.95
Barclays Long Credit Yield ³ (%)	4.41	4.24	4.40
Barclays Long Corporate Yield ³ (%)	4.43	4.24	4.42
Barclays Long BBB Corporate Yield ³ (%)	4.81	4.60	4.80
30 Year Swap Rate ⁴ (%)	2.53	2.40	2.70
Long BBB Corp. Yield ³ – Citi Pension Discount Rate ¹ (bps)	86	85	85

IR+M LDI Corner: Supply and Demand – Staying Ahead of the Curve

- Many investors believe that a surge in long-bond demand will accompany rising rates and that this demand could cause the curve to flatten. Less often considered is how the supply side will change to meet this demand.
- Investors often assume that long-bond issuance will increase during a curve-flattening environment, as the incremental additional cost of issuing long bonds declines.
- Historically, however, there is little evidence that this relationship exists. We have not seen significant growth in long-bond issuance during recent curve-flattening environments, nor has there been a decline in issuance during recent curve-steepening environments. This is exemplified by the current credit curve and record issuance levels.
- Long-bond issuance appears to be driven more by overall rates than by the steepness of the curve. As a result, plan sponsors may want to consider increasing their exposure to long bonds before any potential rate-induced increase in demand.

Glidepath Monitor	4/30/15	3/31/15	12/31/14	4/30/14	4/30/12
Funded Status ¹ (%)	81	80	83	85	82
Long Credit Rates ⁵ (%)	4.41	4.24	4.40	4.71	4.84
Long Credit Spreads ⁵ (bps)	186	187	185	150	209
Curve ³ (Long Cred - Int. Cred) (bps)	217	203	199	249	241
Curve ³ (Long G/C - Agg) (bps)	164	152	151	192	191



¹Citigroup; ²JP Morgan; ³Barclays; ⁴Bloomberg; ⁵Long rates and Long spreads represented by Barclays Long Credit Index yield and spread

All data in the above commentary is as of 4/30/15. 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.