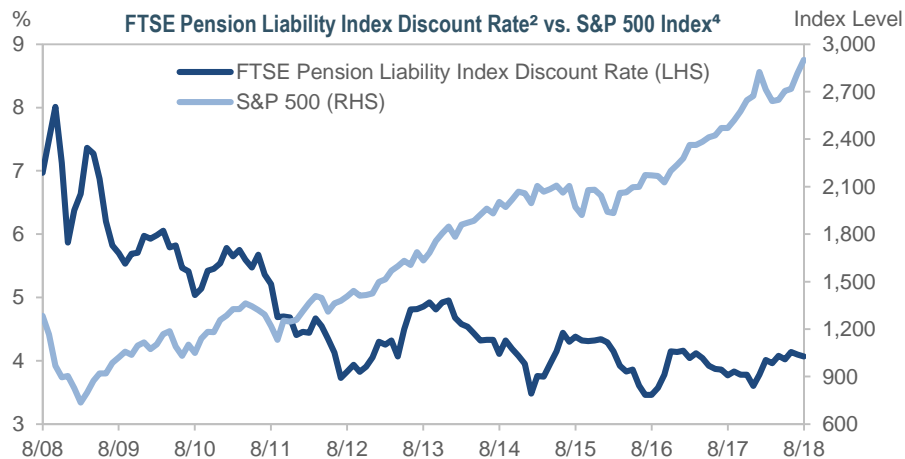


LDI Highlights

- Corporate pension funded status fell 0.1% during August to close the month at 93.3%, just below the post-crisis high.<sup>1</sup>
  - The decrease was driven by a modest decline in high-quality, long-term rates, which led to a 3bps decline in discount rates.<sup>2</sup>
  - The S&P 500 Index posted a return of 3.3% during August.<sup>4</sup>
- Supply remained quiet during August, as long corporate issuers priced approximately \$13 billion, with roughly half from BBB-rated issuers.<sup>5</sup>
- Long corporate spreads reversed course, moving 10bps wider during August to close the month at 165bps.<sup>3</sup>
- Corporate spread curves steepened after flattening during July, as the difference between long corporate and intermediate corporate spreads widened to 75bps.<sup>3</sup>

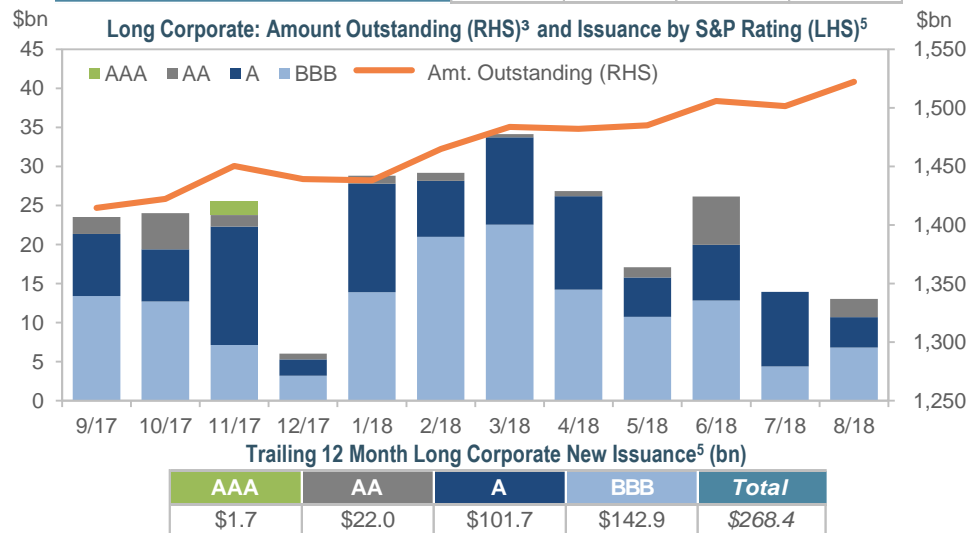
| Rates Monitor   | 8/31/18 | 7/31/18 | 12/31/17 |
|---|---------|---------|----------|
| FTSE Pension Liability Discount Rate <sup>2</sup> (%) | 4.07    | 4.10    | 3.60     |
| Bloom Barc Long Corporate Yield <sup>3</sup> (%)      | 4.60    | 4.60    | 4.02     |
| Bloom Barc Long Corporate A+ Yield <sup>3</sup> (%)   | 4.26    | 4.28    | 3.69     |
| Bloom Barc Long BBB Corp Yield <sup>3</sup> (%)       | 4.95    | 4.94    | 4.37     |
| 30 Year Swap Spread <sup>4</sup> (bps)                | -5      | -4      | -20      |



IR+M LDI Corner: Will Pension Contributions Become Old News?

- While the Tax Cuts and Jobs Act of 2017 lowered the corporate tax rate to 21% from 35% in January 2018, plan sponsors were able to deduct pension contributions at the higher 35% corporate tax rate until September 15<sup>th</sup>, 2018.
- With the extended deadline, some were concerned that there would be a spike in activity leading up to September 15<sup>th</sup>, followed by a sizeable decline.
  - Through the beginning of September, we actually saw a steady and robust level of contributions from plan sponsors. Record activity in the Treasury STRIPS market throughout the year also pointed to a steady pace of plan contributions, rather than a last-minute rush.
  - However, as we head into the fourth quarter, contribution activity may start to dwindle in response to the lower rate of tax savings now in effect.
- While the tax benefit of making pension contributions will be smaller going forward, plan sponsors will continue to be incented to make pension contributions to reduce the impact from steadily climbing PBGC variable-rate premiums.

| Glidepath Monitor                                | 8/31/18 | 7/31/18 | 12/31/17 | 12/31/14 |
|--|---------|---------|----------|----------|
| Funded Status <sup>1</sup> (%)                   | 93.3    | 93.4    | 87.6     | 81.5     |
| Long Corporate Spreads <sup>3</sup> (bps)        | 165     | 155     | 137      | 186      |
| Curve <sup>3</sup> (Long Corp - Int. Corp) (bps) | 75      | 68      | 64       | 79       |



<sup>1</sup>Milliman (Historical numbers revised as of 3/31/18); <sup>2</sup>FTSE Russell; <sup>3</sup>Bloomberg Barclays; <sup>4</sup>Bloomberg; <sup>5</sup>JP Morgan

All data in the above commentary is as of 8/31/18. 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.