# The Global Future of Retirement

June 14-16, 2015 | New York | The Waldorf Astoria

# Alternative Investment Options in DB and DC Plans

Moderator: Timothy Pollard, CAIA, Data Editor, Pensions & Investments

M. Nicolas J. Firzli, LL.M., Director-General, World Pensions Council Advisory Board Member, World Bank Global Infrastructure Facility

Kevin T. Hanney, CFA, Director, Pension Investments, United Technologies Corporation (UTC)

**Kamilla Svajgl**, FSA, MAAA , Principal & Consulting Actuary, Milliman Financial Risk Management LLC

#### Asset mix of P&I top 1,000 DB plans as of Sept. 30



Source: Pensions & Investments

P&I CONFERENCES



### Asset growth of P&I top 1,000 – DB vs. DC plans over the past 10 years

Source: Pensions & Investments

Ref CONFERENCES

# The Global Future of Retirement

June 14-16, 2015 | New York | The Waldorf Astoria

## Alternative Investment Options in DB and DC Plans

Kevin T. Hanney, CFA

**Director, Pension Investments** 

United Technologies Corporation (UTC)

P&I CONFERENCES

## **The Global Future of Retirement**

June 14-16, 2015 | New York | The Waldorf Astoria

## Alternative Investment Options in DB and DC Plans

Kamilla Svajgl Principal Milliman

#### Actual Risk Levels Rarely Match Expectations



Source: Milliman Financial Risk Management LLC, as of 1/1/00–12/31/13. The data quoted represents hypothetical past volatility, is for illustrative purposes and is not intended to represent any actual investments. Current performance may be lower or higher than the performance data quoted above. Investment return and principal value will fluctuate, so that shares, when redeemed, may be worth more or less than their original cost. Past performance is no guarantee of future results.

70/30 allocation is defined as a 70% and 30% allocation to the S&P 500 Index and Barclay's U.S. Aggregate Bond Index, respectively. The S&P 500 Index is a commonly used benchmark comprised of all the stocks in the S&P 500 weighted by market value. The Barclay's U.S. Aggregate Bond Index, is a universally accepted benchmark for bond performance and is comprised of bonds with a maturity over one year. The index performance shown is for informational purposes only and is not reflective of any investment. It is not possible to invest directly in an index. Unmanaged index returns do not reflect any fees, expenses, or sales charges.

### Relationship of Return to Volatility

S&P 500 Index, 1928 - 2013



Source: Milliman Financial Risk Management LLC, 1928 - 2013. The performance data represents past performance, is for illustrative purposes and is not intended to represent any actual investments. Past performance is no guarantee of future results. The S&P 500 index, is a commonly used benchmark comprised of all the stocks in the S&P 500 weighted by market value. Indexes are unmanaged. It is not possible to invest directly in an index. This graph analyzes the total returns of the S&P 500 index. Each day is assigned a volatility measure that is equal to the volatility of the 21-day period surrounding that day's return. The returns are then assigned to each category, annualized. The volatility that is graphed is the average of the daily returns assigned to each category.

### Risk Management Using Futures

How do farmers protect themselves from fluctuating commodity prices? How do universities protect the value of their endowments? How do major financial institutions and insurance companies manage risks on their balance sheets?

- 1. Low execution costs
- 2. Liquidity
- 3. 24-hour trading
- 4. Straightforward accounting
- 5. Daily settlement no counterparty risk
- 6. Potential tax advantages over trading individual securities

With the world's economy relying in futures contracts for price stability, risk management and long-term planning, it also makes sense to include this type of risk management into DC and DB plans in an effort to provide investors with sustainable income in retirement.

Futures contract positions may not provide an effective hedge because changes in futures contract prices may not track those of the securities they are intended to hedge. Futures create leverage, which can magnify the Fund's potential for gain or loss and, therefore, amplify the effects of market volatility on the Fund's share price and which can have a significant impact on the Fund's performance.

Futures are also subject to credit risk (the counterparty may default) and liquidity risk. If an investment is linked to the performance of an index, it will be subject to the risks associated with changes in that index. Overall securities market risks may affect the value of securities held by the Fund.

There is no guarantee that any investment will achieve its objectives, generate positive returns, or avoid losses.

# The Global Future of Retirement

June 14-16, 2015 | New York | The Waldorf Astoria

# Alternative Investment Options in DB and DC Plans

Moderator: Timothy Pollard, CAIA, Data Editor, Pensions & Investments

M. Nicolas J. Firzli, LL.M., Director-General, World Pensions Council Advisory Board Member, World Bank Global Infrastructure Facility

Kevin T. Hanney, CFA, Director, Pension Investments, United Technologies Corporation (UTC)

**Kamilla Svajgl**, FSA, MAAA , Principal & Consulting Actuary, Milliman Financial Risk Management LLC