# Nomura Quantitative Investment Strategies

## Principal Multi-Asset Index

### Index Key Facts

| | |
|---|---|
| **Bloomberg Ticker** | NMXAPR6E Index |
| **Launch Date** | March 10, 2026 |
| **Index Sponsor** | Nomura |
| **Calculation Agent** | MerQube |
| **Currency** | USD |
| **Volatility Target** | 6% |
| **Return Type** | Excess Return |

### Overview

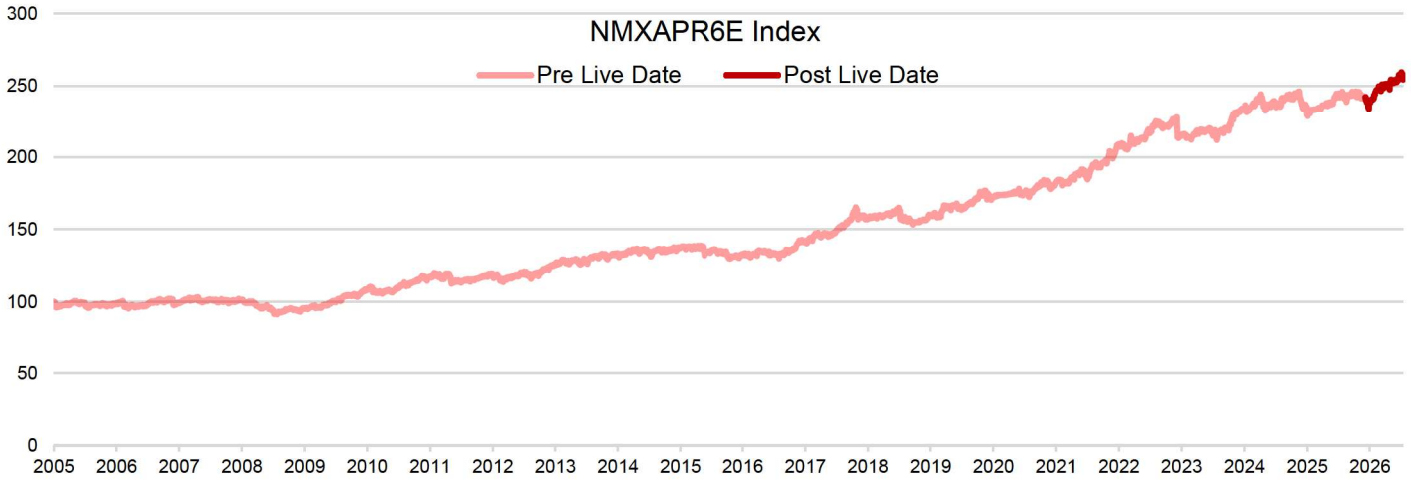
The Principal Multi Asset Index is a multi-asset investment strategy based on exposure to two asset classes: Equities and Rates.

It seeks to achieve positive returns via:
- A daily and dynamic asset allocation;
- A proprietary rule-based methodology;
- Cost efficient underlying.

The Equity and Rates Underlying are combined via a dynamic risk-based allocation methodology.

The Index targets a long term volatility of 6%, in an attempt to provide more consistent returns, even during periods of market volatility.

### Backtested and Historical Performance




### Backtested and Historical Performance

| | 1 Year | | 5 Years | |
|---|---|---|---|---|
| **Asset Classes** | **Ann. Return** | **Sharpe Ratio** | **Ann. Return** | **Sharpe Ratio** |
| Equity | 18.8% | 1.35 | 18.11% | 0.99 |
| Rates | 2.91% | 1.15 | 5.29% | 0.87 |
| **Principal Multi-Asset Index** | 5.1% | 0.91 | 6.3% | 1.10 |

*Source: Nomura, Bloomberg. From 4/5/2005 - 10/15/2026.. Past performance is not a reliable indicator of future returns.*

## Monthly Backtested and Realized Returns

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | | | | | 0.96% | -0.11% | 2.31% | -1.02% | 0.61% | -2.46% | 0.68% | -0.68% | |
| **2006** | 1.11% | -0.67% | 1.19% | 0.53% | -1.86% | 0.30% | -0.69% | 0.55% | 0.75% | 1.71% | 1.28% | -0.41% | **3.80%** |
| **2007** | 0.78% | -2.50% | -0.02% | 1.68% | 1.77% | -0.94% | -0.84% | -0.10% | 1.05% | -0.34% | 0.28% | -0.36% | **0.39%** |
| **2008** | -0.66% | 0.66% | 0.47% | -2.34% | 0.81% | -2.59% | -1.20% | 0.92% | -2.91% | -1.87% | 1.09% | 1.61% | **-5.98%** |
| **2009** | -0.78% | -0.52% | 1.68% | 0.37% | 1.44% | -0.71% | 1.52% | 1.16% | 1.39% | 0.18% | 3.32% | -0.04% | **9.30%** |
| **2010** | 0.10% | 1.84% | 1.97% | 1.14% | -2.29% | -0.77% | 1.70% | -1.09% | 2.94% | 1.83% | -0.44% | 2.28% | **9.45%** |
| **2011** | 1.14% | 1.87% | 0.05% | 1.88% | -0.46% | -0.87% | -0.31% | -2.31% | -0.94% | 1.18% | 0.31% | 0.34% | **1.81%** |
| **2012** | 0.84% | 0.98% | 0.74% | -0.42% | -2.57% | 1.39% | 0.40% | 0.48% | 1.19% | -0.87% | 0.59% | -0.21% | **2.49%** |
| **2013** | 2.56% | 1.18% | 1.88% | 0.80% | 0.28% | -0.21% | 1.25% | -2.03% | 1.33% | 2.21% | 0.93% | 1.05% | **11.73%** |
| **2014** | -1.57% | 1.35% | 0.10% | 0.07% | 1.25% | 0.55% | -0.70% | 1.61% | -1.31% | 0.27% | 1.24% | -0.69% | **2.11%** |
| **2015** | -0.52% | 1.54% | -0.02% | -0.18% | 1.00% | -0.96% | 1.32% | -3.43% | 0.29% | 0.82% | -0.62% | -0.50% | **-1.36%** |
| **2016** | -1.99% | -0.15% | 1.09% | -0.42% | -0.01% | 2.15% | 0.24% | -0.83% | -0.31% | -1.22% | 0.75% | 0.76% | **-0.01%** |
| **2017** | 1.94% | 3.24% | 0.97% | 1.14% | 1.61% | -0.61% | 1.23% | -0.12% | 0.87% | 2.43% | 2.23% | 1.03% | **17.12%** |
| **2018** | 4.37% | -2.73% | -0.77% | 0.27% | 0.12% | 0.37% | 1.09% | 0.79% | 1.33% | -4.22% | -0.04% | -1.33% | **-0.99%** |
| **2019** | 0.75% | 0.26% | 2.06% | 1.18% | -1.82% | 4.36% | -1.36% | 2.14% | -1.10% | 0.87% | 1.39% | 1.43% | **10.48%** |
| **2020** | 1.31% | -1.20% | 0.62% | 0.81% | 0.19% | 0.20% | 0.70% | 0.95% | -1.05% | -1.67% | 2.95% | 1.81% | **5.65%** |
| **2021** | 0.20% | -1.22% | 1.45% | 1.27% | -0.54% | 1.27% | 1.43% | 1.83% | -3.13% | 4.36% | 0.24% | 0.87% | **8.13%** |
| **2022** | 1.71% | 1.14% | 3.31% | 0.37% | -0.88% | 1.77% | 0.38% | 0.91% | 1.91% | 2.87% | 0.22% | -0.89% | **13.49%** |
| **2023** | 0.52% | 1.30% | -4.56% | -0.09% | -1.44% | 2.73% | 0.49% | -0.22% | -0.86% | -1.42% | 1.97% | 1.18% | **-0.59%** |
| **2024** | 2.52% | 2.61% | 0.76% | -0.39% | 1.44% | 1.62% | -1.23% | -0.25% | 0.97% | -1.35% | 2.18% | 0.04% | **9.18%** |
| **2025** | 1.33% | -1.45% | -2.40% | -0.52% | 0.00% | 0.87% | 0.84% | 0.35% | 1.99% | -0.07% | 0.37% | 0.10% | **1.31%** |
| **2026** | 0.09% | -0.55% | -2.59% | 2.89% | 2.48% | 0.78% | -0.26% | 1.30% | 1.19% | -0.45% | | | **4.89%** |

*Source: Nomura, Bloomberg. From 4/5/2005 - 10/15/2026. Past performance is not a reliable indicator of future returns.*

* THIS IS A PRODUCT OF THE SALES AND TRADING DESK AND NOT RESEARCH MATERIAL *

For Institutional Investors Only

The information contained herein (the "**Information**") is provided to you by the Sales, Structuring and or Trading Departments of Nomura International plc ("**NIP**"). NIP is part of the Nomura group of companies ("**Nomura**") and the Information may contain contributions from employees of the Nomura group of companies. NIP is authorised by the Prudential Regulation Authority ("**PRA**"), regulated by the UK Financial Conduct Authority and the PRA and is a member of the London Stock Exchange. The Information is confidential and has been furnished solely for your information and must not be referred to, disclosed, transmitted, reproduced or redistributed, in whole or in part, to another person.

The Information is subject to the following terms:
It is provided to you to promote investment services generally and Nomura and/or connected persons do not accept any liability whatsoever for any direct, indirect or consequential loss arising from any direct or indirect use of the Information or its content.
It is intended for (a) professional clients and eligible counterparties as they are defined under the regulatory rules in the European Economic Area ("**EEA**") & United Kingdom **("UK")** and (b) institutional investors as defined in the U.S. and is not subject to the independence and disclosure standards applicable to debt research reports prepared for retail investors.
Nomura is not a designated investment adviser and the Information is therefore provided on the basis that you have such knowledge and experience to evaluate its merits and risks and are capable of undertaking your own objective analysis of the Information with respect to your specific requirements.
Use of the following terms "sustainability focus", "sustainability improvers", "sustainability impact", and "sustainability mixed goals" within this material are used for descriptive purposes only and should not be interpreted that any product or service mentioned meets the specific criteria required to be considered an official FCA (Financial Conduct Authority) sustainability label.
It is based on sources Nomura believes to be reliable, but we do not represent that it is accurate or complete.
Any prices, yields, figures, projections and examples or opinions expressed are subject to change without notice and may:
be derived from public or Nomura sources (which may not be representative of any theoretical or actual internal valuations employed by us for our own purposes) and based on various factors including, but not limited to, current prices quoted, valuation of underlying assets, market liquidity, Nomura and its affiliates' proprietary models and assumptions, economic, market, regulatory and other conditions as they exist and can be evaluated at the relevant time;
not include adjustments for transaction and hedging costs, accounting offsets and provisions, liquidity or credit considerations or other significant factors which may materially change actual values; and
refer to past or simulated past market performance neither of which is a reliable indicator of future market performance.
Consequently Nomura does not represent the Information (including information concerning Environmental, Social or Governance factors or product alignment with any published ESG taxonomy) is accurate or complete and makes no representations, warranties or undertakings (express or implied) as to the accuracy, completeness, timeliness or validity of the Information and the Information should not be regarded as implying a value for any instruments referenced in the Information for which there may not be a liquid market; nor used to determine interest payable or other sums due under loan agreements or under other financial instruments or the price or performance of any financial instrument.
It may have been prepared in accordance with regulatory requirements which differ from those demanded under applicable jurisdictions where you are located.
Nomura is not soliciting any action based on the Information and it should not be considered as an offer to buy or sell any financial instruments or other products which may be mentioned in it.
It does not constitute a personal recommendation under applicable regulatory rules in the EEA or take into account the particular investment objectives, financial situations or needs of individual investors nor does it constitute tailor made investment advice as this term may be defined under applicable regulations in any jurisdiction.
It has not been prepared in accordance with legal requirements designed to promote the independence of investment research, it is not subject to any prohibition on dealing ahead of the dissemination of investment research and any views expressed in the Information may differ from the views offered in Nomura's independent research reports prepared for investors including retail investors or from views that may be expressed by other financial institutions or market participants on the same subject matter as the Information.
It may not be independent of the proprietary interests of Nomura. Nomura trades, or may trade, any financial instruments mentioned in the Information for its own account and such trading interests may be contrary to any recommendation(s) offered in the Information. Nomura also may have acted as an underwriter of financial instruments or other products mentioned and may currently be providing investment banking services to the issuers of such financial instruments or products.
For the avoidance of doubt, Nomura and/or its officers, directors and employees, including persons, without limitation, involved in the preparation or issuance of the Information, may from time to time, have long or short positions in, and buy or sell, financial instruments, or derivatives (including options) thereof, of any companies mentioned in the Information or related financial instruments or derivatives.
Nomura manages conflicts identified through our Confidentiality and Information Barriers policies, by maintaining a restricted list, a personal account dealing policy and policies and procedures for managing conflicts of interest arising from the allocation and pricing of financial instruments and impartial investment research and disclosure to clients via client documentation. Disclosure information is available at http://www.nomuranow.com/disclosures/.

**Potential risks for NIP's own manufactured products linked to NIP Indices**

Nomura International Plc (NIP) has been registered as a Benchmark Administrator by the UK Financial Conduct Authority (**FCA**) pursuant to the UK Benchmark Regulation which comprises Regulation (EU) 2016/1011 as amended by Regulation (EU) 2019/2089, insofar as these apply in the United Kingdom by virtue of the European Union (Withdrawal) Act 2018 and as amended by the Benchmarks (Amendment and Transitional Provisions) (EU Exit) Regulations 2019 (**UK BMR**), and has accordingly been listed on the FCA Register of Benchmark Administrators. In addition, NIP is the Index Sponsor of the indices, and is therefore responsible for maintaining the indices, as well as calculating and publishing the levels of the indices, based on proprietary models and relying on market information.

**The foregoing are not an exhaustive set of risks:** Independent due diligence should be undertaken and advice should be sought as deemed appropriate from suitably qualified professional advisors in order to ensure that the risks and suitability of an exposure to the indices are understood.

**NIP's own manufactured products**, over-the-counter or in securitised financial instruments, involves a wide variety of investment risks. These may include valuation of the reference asset(s) (e.g. the Indices), including market disruption events; foreign exchange rates, interest rates, inflation, yield, correlation, volatility, credit risks, liquidity risk and leverage, etc.

Specifically for NIP's own manufactured products **linked to the performance of Indices sponsored by NIP,** it is worth highlighting the following:

**Conflicts of interest:** Actual or potential conflicts of interest may arise in relation to the multiple roles NIP has in relation to the indices, e.g. NIP or any of its affiliates may

- be the counterparty to any investment product entered into based on the indices;
- engage in pre-hedging, hedging and/or trading activities, in the normal course of business, in the indices or the underlying instruments or in financial instruments that are linked to any of the foregoing, or trade otherwise in the normal course of business (either for proprietary accounts or their client accounts) in such instruments, which in each case may adversely affect the level of the index; and/or
- publish, from time to time, research that may influence the level of the indices, or may express opinions or provide recommendations that are inconsistent with the investment views inherent in the indices.
- share potentially market sensitive information with the respective trading desk in order to risk manage NIP's (or its affiliates') own manufactured products linked to the performance of the Indices

**Index adjustments/cancellation:** NIP as the Index Sponsor has the authority to amend the methodology of the indices and/or make such adjustments to the indices methodology as it considers appropriate, in its sole discretion acting in good faith, in order to take into account events or changes in the relevant underlying markets or to preserve the objective of the index - including cancelling the indices in certain circumstances.

**Discretion:** NIP maintains certain discretion to determine whether certain types of disruption events have occurred and any resulting adjustments. NIP has no obligation to take the interests of any other party into consideration when exercising discretion or making determinations with respect to the indices.

**Lack of operating history:** The indices have only recently been established as a tradable strategy and therefore have no sufficient data upon which to evaluate long-term performance. Any back-testing or similar analysis on the indices must be considered illustrative only and may be based on estimates or assumptions not used in determining actual levels of the indices.

**Index charges:** Certain indices charges are deducted from the indices level which include fees that accrue to the benefit of the NIP as Index Sponsor in consideration for establishing and maintaining the indices.

**Impact of index pre-hedging and hedging:** NIP designed the indices with the intention of earning a profit through entering into transactions linked to the indices, including pre-hedging and hedging transactions with clients on NIP's own manufactured products. Such pre-hedging and hedging activities may involve trading in the underlying instruments and taking long or short positions in related instruments which could adversely affect the performance of the index.

**Past Performance is no guide to future performance:** the actual performance of the indices during any future period may bear little relation to the historical performance of the index. No one can predict with any degree of certainty the future performance of the index.

**Investment objectives:** There can be no assurance that the indices will achieve the stated investment objective. The indices methodology have been designed with the benefit of hindsight on the basis of certain historically observed trends and correlations which may not prove to be correct in any future period. Any back-tested performance information may not therefore be an accurate or reliable indication of any fundamental aspect of the indices methodology and the actual future performance of the indices may bear little or no relation to the hypothetical back-tested or historical performance of the indices.

[NIP's own manufactured products, **which allow the client to discretionary manage the exposure to Indices sponsored by NIP,** may be subject to outsourcing requirements under UK BMR]

The annuity financial product (the "Financial Product") referencing the Principal® Multi-Asset Index™ (the "Index") is not designed, sponsored, promoted, endorsed, or sold by the Principal Financial Group Inc. or its affiliates, the administrator or calculation agent of the Index and their respective affiliates, nor any issuer or sponsor of any Index constituents or any party that provides data or information for use in the Index (collectively the "Index Parties"). The Index Parties make no representation whatsoever, whether express or implied, and hereby expressly disclaims all warranties (including, without limitation, those of merchantability or fitness for a particular purpose or use), with respect to the Index, its constituents or any data included therein or relating thereto, and in particular disclaims any warranty either as to the quality, accuracy and/or completeness of the Index, its constituents or any data included therein, the results obtained from the use of the Index, its constituents and/or any data included therein at any particular time on any particular date. Index Parties shall not be liable (whether in negligence or otherwise) to the investor in the Financial Product for any error in the Index or any data included therein, and the Index Parties errors under no obligation to advise investors in the Financial Product of any error therein.

The Financial Product is not sponsored, endorsed, sold or promoted by any of the Index Parties and the Index Parties make no representation whatsoever, whether express or implied, as to the advisability of purchasing the Financial Product or the results to be obtained by any investor in the Financial Product or any other person or entity. None of the Index Parties, shall have any liability to any party for any losses, damages, costs, claims and expenses (including but not limited to any special, punitive, direct, indirect or consequential damages, lost income or lost profits or opportunity costs) arising out of the use of the Index or the Financial Product, any act or failure to act by an Index Party in connection with the determination, adjustment, interruptions, delays or overall calculation and maintenance of the Index and neither the administrator nor calculation agent of the Index is under any obligation to continue the administration, calculation, publication and dissemination of the Index.