

# Milford Unit Trust PIE Funds

## Milford Global Equity Fund

Fund update for the quarter ended 31 December 2018

This fund update was first made publicly available on 31 January 2019.



## What is the purpose of this update?

This document tells you how the Milford Global Equity Fund ('Fund') has performed and what fees were charged. The document will help you to compare the fund with other funds.

Milford Funds Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

## Description of this fund

The Fund's objective is to provide capital growth by outperforming the relevant share market index after the base fund fee but before tax and before the performance fee over

the minimum recommended investment timeframe of five years.

It primarily invests in international equities.

<b>Total value of the fund</b>	<b>\$412,001,364</b>
<b>The date the fund started</b>	<b>12 April 2013</b>

## What are the risks of investing?

### Risk indicator for the Milford Global Equity Fund



The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [www.sorted.org.nz/tools/investor-kickstarter](http://www.sorted.org.nz/tools/investor-kickstarter).

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for the five years to 31 December 2018. Market index returns have been used for the period 1 January 2014 to 30 September 2018 as the Fund's investment policy has changed significantly and its returns before the change would not reflect its current investment policy. The risk indicator therefore reflects the Fund's actual returns only for the period 1 October 2018 to 31 December 2018. As a result, the risk indicator may provide a less reliable indicator of the potential volatility of the Fund. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates. See Note 1 at the end of this Fund Update.

See the Product Disclosure Statement ('PDS') for more information about the risks associated with investing in this fund.

# How has the fund performed?

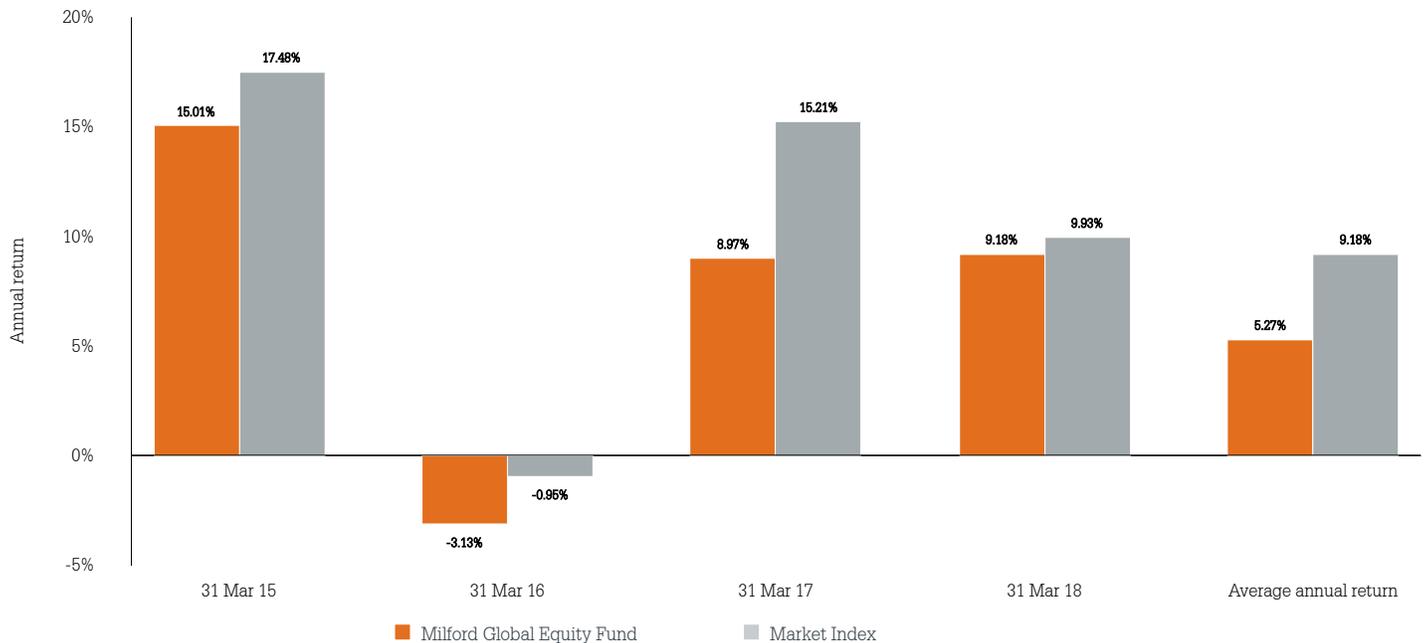
	Average over past 5 years	Past year
<b>Annual return</b> (after deductions for charges and tax)	4.33%	-6.06%
<b>Annual return</b> (after deductions for charges but before tax)	5.07%	-5.78%
<b>Market index annual return</b> (reflects no deduction for charges and tax)	7.27%	-5.53%

From 1 October 2018 onwards, the Fund has switched from an absolute return focus to a relative return focus.

We are required to disclose an appropriate market index as comparison. The market index return is a composite of benchmark index returns weighted for the Fund’s target investment mix. The market index return is before tax and fees.

The Fund has made a minor change to the target investment mix which was amended on 1 October 2018, as shown on page 4. This change is also reflected in the market index. For more information on the market index, please refer to the Statement of Investment Policy and Objectives for the Milford Unit Trust PIE Funds, which can be found at [www.milfordasset.com/forms-documents](http://www.milfordasset.com/forms-documents) or on the offer register at [www.disclose-register.companiesoffice.govt.nz](http://www.disclose-register.companiesoffice.govt.nz).

## Annual Return Graph



This shows the return after fund charges and tax for each year ending 31 March since the fund started. The last bar shows the average annual return since the fund started, up to 31 December 2018.

The Fund returns in this update are after tax at the highest prescribed investor rate (PIR) of tax for an individual New Zealand resident. Your tax may be lower.

The market index return is before tax and fees.

**Important:** This does not tell you how the fund will perform in the future.

## What fees are investors charged?

Investors in the Fund are charged fund charges. In the year to 31 March 2018 these were:

	% of net asset value
<b>Total fund charges</b>	2.20%*
<i>which are made up of:</i>	
<b>Total management and administration charges (Base fund fee)</b>	1.75%
<i>including:</i>	
Manager's basic fee <sup>2</sup>	1.12%
Other management and administration charges (estimate) <sup>3</sup>	0.63%
<b>Total performance-based fees</b>	0.45%

\*From 1 October 2018 onwards, the base fund fee has been capped at 1.40% as the external manager and ETF costs are paid for by Milford. Based on the performance fees to 31 December 2018, we currently estimate the total fund charges to be 2.52%.

Milford is unable to determine the fund charges charged by some non-related underlying funds within the 'other management and administration charges' so these charges have been estimated. It is not expected that these charges will be material. See Note 3 at the end of this Fund Update.

See the PDS for more information about the basis on which performance fees are charged.

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds) although these are not currently charged. See the PDS for the Milford Unit Trust PIE Funds on the offer register at [www.disclose-register.companiesoffice.govt.nz](http://www.disclose-register.companiesoffice.govt.nz) for more information about those fees.

## Example of how this applies to an investor

Small differences in fees and charges can have a big impact on your investment over the long term.

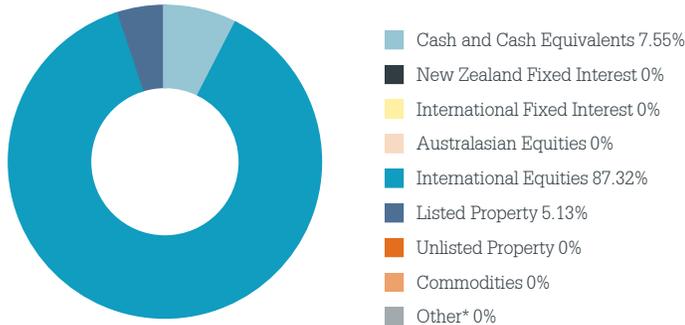
Joshua had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year,

Joshua incurred a loss after fund charges were deducted but before tax of \$578 (that is -5.78% of his initial \$10,000). Joshua did not have to pay other charges. This gives Joshua a total loss after fund charges and tax of \$606 for the year.

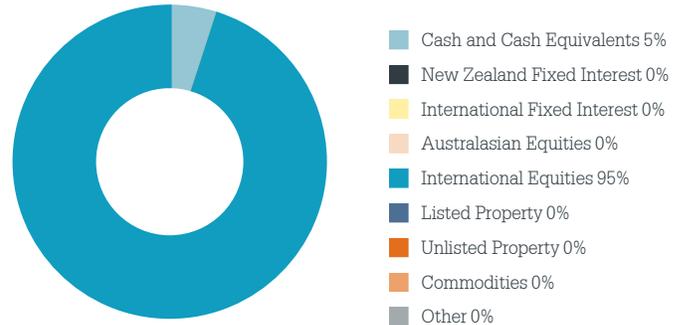
# What does the Fund invest in?

This shows the types of assets that the Fund invests in as at 31 December 2018.

## Actual Investment Mix<sup>4</sup>



## Target investment mix<sup>5</sup>



\* includes currency derivatives used to manage foreign exchange risk.

## Currency hedging

The Fund's foreign currency exposure is actively managed, with the neutral currency exposure being 50%.

## Top 10 Investments<sup>6</sup>

Name	% of fund net assets	Type	Country	Credit rating (if applicable)
1 JPY Cash Current Account (Citibank)	5.75%	Cash and cash equivalents	Japan	A+
2 USD Cash Current Account (Citibank)	5.27%	Cash and cash equivalents	United States	A+
3 Vontobel mtX Sustainable Emerging Markets Leaders - Class S	5.25%	International equities	Luxembourg	
4 Wellington Global Health Care Equity Fund - Class S	5.14%	International equities	Ireland	
5 Wellington Strategic European Equity Fund - Class S	4.76%	International equities	Ireland	
6 iShares MSCI EAFE Min Vol ETF	3.38%	International equities	United States	
7 Euro Stoxx 50 ETF SPDR	2.83%	International equities	United States	
8 Alphabet Inc - Class C	2.52%	International equities	United States	
9 Health Care Select Sector SPDR	2.49%	International equities	United States	
10 Crown Castle International Corp.	2.10%	Listed property	United States	

The total value of the 10 individual assets as a percentage of the net asset value of the Fund is 39.49%.

## Key personnel

Name	Current position	Time in current position	Previous or other current position	Time in previous or other current position
Felix Fok	Portfolio Manager	6 years, 2 months	Research Partner at Ji Asia, Hong Kong	3 years, 3 months
Stephen Johnston	Portfolio Manager	5 years, 3 months	Senior Portfolio Manager at Adelante Asset Management, United Kingdom	4 years

## Further information

You can also obtain this information, the PDS for the Milford Unit Trust PIE Funds and some additional information from the offer register at [www.disclose-register.companiesoffice.govt.nz](http://www.disclose-register.companiesoffice.govt.nz).

Have any questions? If so, please visit [www.milfordasset.com](http://www.milfordasset.com) or phone 0800 662 345.

## Notes

- The risk indicator has been calculated on the basis of five years of historic fund returns where available, and market index returns where required. Hence, the returns data used may not represent a full investment cycle for the Fund and the risk category may be different if calculated using a longer timeframe. If the period of returns used reflected an environment of unusually low or unusually high volatility, the risk indicator may not reflect the Fund's future volatility.
- Milford charges a capped management fee that covers normal fund operating costs such as investment management, supervisor, custodial, fund accounting, audit and legal costs. For disclosure requirements, supervisor, audit and legal costs have been removed from the capped management fees to provide the manager's basic fee. These have been included in other management and administration charges.
- If Milford is unable to determine the non-related underlying fund charges, these have been estimated from recent financial statements based on the actual costs as a percentage of the average net asset value that were charged for the fund's previous financial year. These are reflected in the prices of the external funds that are used in the calculation of the unit price of the Fund.
- The actual investment mix incorporates the notional exposure value of equity derivatives and credit default swaps, where applicable. These may increase or decrease the reported Cash and Cash Equivalents.
- The target investment mix indicates what are expected to apply over the course of an economic cycle, and should be considered as general only. Any target for Listed Property is based on a specific decision to hold listed property as against incidental exposure from investing in equity markets. Milford is an active manager and may at times deploy investment strategies that differ (within the allowable minimum and maximum bounds) materially from the targets.
- If we invest into any non-related underlying funds, the Top 10 Investments will only show the total investment in those funds, not the individual assets it holds.