

Worcestershire County Council Pension Fund

Statement of Accounts 2016/17

About the Accounts

This Statement of Accounts presents the overall financial position of the Pension Fund for the year ended 31 March 2017. The format of the Accounts are produced in accordance with best accounting practice, as set out in the Chartered Institute of Public Finance and Accountancy (CIPFA) example accounts.

1. Explanatory Foreword and a Review of the Year 2016/17

Contains a review of the year and other general information about the accounts.

2. The Worcestershire County Council Pension Fund Account

Details the money received and spent within the Pension Fund during 2016/17

3. Net Assets Statement

Statement showing the Pension Fund's financial position at 31 March 2017.

4. Notes to the Pension Fund Accounts

Notes providing additional information for the Fund Account and Net Assets Statement.

5. Statement of Accounting Policies

Accounting policies and procedures adopted by the County Council Pension Fund

1. Explanatory Foreword and a Review of the Year 2016/17

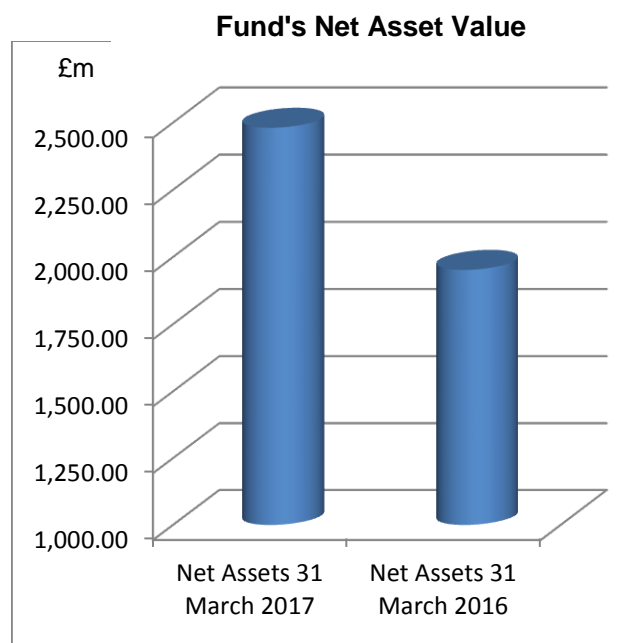
Foreword by the Chief Financial Officer

Welcome to the Worcestershire County Council Pension Fund 2016/17 Statement of Accounts. Worcestershire County Council administers the Local Government Pension Scheme (LGPS), which provides for the occupational pensions of employees, other than teachers, police officers, and fire fighters of the local authorities within the Herefordshire and Worcestershire area. Worcestershire County Council also operates the scheme for members of other organisations which have made admission agreements with the fund and designated bodies who have passed resolutions with Worcestershire County Council.

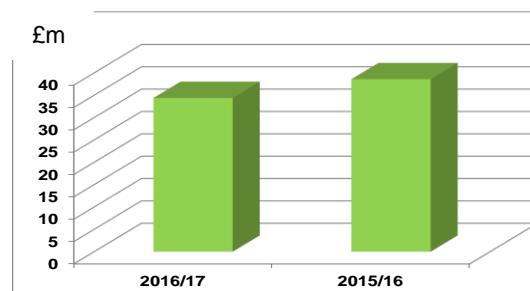
Aims and purpose of the Scheme	
The aims of the Scheme are to:	
✓	enable employer contribution rates to be kept as nearly constant as possible and at reasonable cost to the taxpayers, scheduled, designated, community and admitted bodies
✓	manage employers' liabilities effectively
✓	ensure that sufficient resources are available to meet all liabilities as they fall due, and
✓	maximise the returns from investments within reasonable risk parameters.
The purpose of the Scheme is to:	
✓	receive monies in respect of contributions, transfer values and investment income, and
✓	pay out monies in respect of scheme benefits, transfer values, costs, charges and expenses.

Key headlines

- The value of the Fund's net assets increased by £528.6 million from £1,952.3 million at 31 March 2016 to £2,480.9 million at 31 March 2017:
- Recurring income from contributions increased by 3.4%, due to the impact of the uplift in contribution rates following the 2013 actuarial valuation. Net investment earnings decreased by 22.8%, due to the transition of active equity investments to passively managed pooled funds, whilst ongoing expenditure increased by 2.5%. The investment income associated with the passive managed pooled funds is retained within the pooled funds and reinvested increasing the value of the pooled funds' units and therefore increasing the market value of the Fund.



- Contributions from staff and employers plus net interest and dividends received exceeded benefits paid in 2016/17 by £41.7 million. It is expected that an operating surplus will exist for the foreseeable future.
- During the year a surplus resulted on the Pension Fund account totalling for 2016/17 £34.4 million, a decrease of £4.2 million from the surplus of £38.6 million for 2015/16. The fall in surplus is mainly as a result of the fall in investment income.
- An analysis of changes within the fund's membership profile is displayed below:

Surplus on the pension fund account

	31 March 2016	31 March 2017	Change	Change %
Contributors to the fund	22,697	22,308	(389)	(1.7)
Pensions paid	16,353	16,918	565	3.5
Deferred members*	18,771	19,970	1,199	6.4
	57,821	59,196		

* The increase in deferred members is in part due to employers reducing staff headcount and the ex-employees choosing to retain their accrued benefits in the scheme as opposed to transferring out.

Governance

The Council has established a Pension Committee to exercise the Administering Authority's responsibility for the management of the Worcestershire County Council Pension Fund. The Pension Committee has overall responsibility for the management of the administration of the Fund and for the strategic management of the Fund's assets. In order to discharge its responsibility effectively The Pension Committee is supported by the Pension Administration Advisory Forum and the Pension Investment Advisory Panel.

The Council has also established a Pension Board, which has been operational since July 2015. The purpose of the Board is to assist the Administering Authority in its role as a scheme manager of the Scheme. Such assistance is to: (a) secure compliance with the Regulations, any other legislation relating to the governance and administration of the Scheme, and requirements imposed by the Pensions Regulator in relation to the Scheme and; (b) to ensure the effective and efficient governance and administration of the Scheme.

The Pension Fund's Governance Policy Statement is published on the Council's website. The Policy Statement ensures that the Fund's governance arrangements comply with the LGPS Regulations and are aligned to prescribed best practice guidance.

Management of the fund's assets

The management of the fund's assets is operated through nine specialist external managers with ten mandates in total. The Pension Committee is advised in relation to asset allocation decisions and the monitoring of external managers' performance by the Pension Investment Advisory Panel, which includes an independent financial adviser.

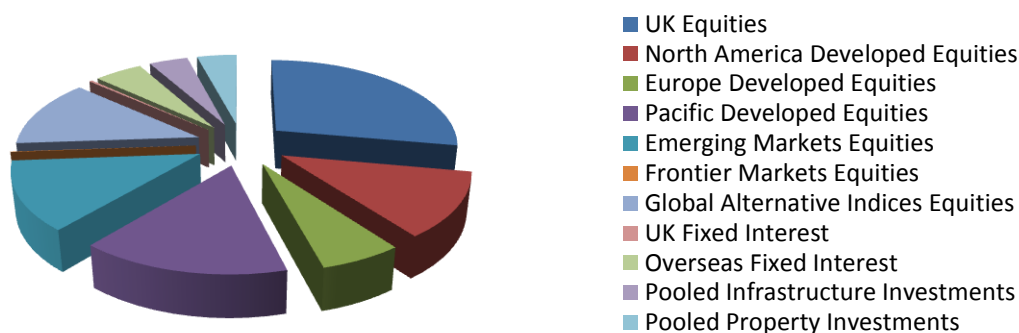
The fund's asset allocation is kept under regular review and the current long term investment allocation includes investments in a wide variety of UK and overseas companies, Corporate Bonds, Property and Infrastructure. As a result of an asset allocation review that took place in November 2016, the following Pension Committee endorsed recommendations were progressed during 2016/17:

- An increase in the allocation to Infrastructure or a mix of Infrastructure and Real Estate by 5% from the current strategic allocation of up to 10% of the Fund to 15%.

- b) An increase in the Fund's allocation to alternative indices by 5% from the current strategic allocation of up to 10% of the Fund to 15%.
- c) The Fund returns the Strategic Asset Allocation to North American equities to Passive Management.

As at 31st March 2017 the 2013 strategic asset allocation review recommendation of a 10% commitment to 'Alternatives including property' was fully implemented following investments into three pooled property funds; Invesco Real Estate – European Fund, Venn Commercial Real Estate Fund, Walton Street Real Estate Debt Fund and two pooled Infrastructure funds; UK Green Investment Bank Offshore Wind Fund and Hermes GPE Infrastructure Fund (Core).

The following chart details the distribution of the fund's assets as at 31 March 2017:



On 25th November 2015, DCLG published its response to the May 2014 consultation (Opportunities for collaboration, cost savings and efficiencies). It said responsibility for asset allocation would stay with the 90 administering authorities and that savings could be delivered through the use of asset pooling and, in particular, collective investment vehicles. Worcestershire County Council Pension Fund in collaboration with eight other Local Authorities (Cheshire, Leicestershire, Shropshire, Staffordshire, the West Midlands, Derbyshire, Nottinghamshire, and the West Midlands Integrated Transport Authority) under the brand 'LGPS Central' submitted their initial proposals to the Government by 19th February 2016. On 15th July 2016 the eight Funds made a final submission that fully addressed the government's pooling criteria. The submission included a business plan to pool assets under a regulated structure and to be operational from 1st April 2018.

Management of the fund's liabilities

The funding strategy is kept under regular review by the Pension Committee and the fund's actuary assesses at three yearly intervals the balance of the fund's assets against its liabilities. An actuarial valuation of the Worcestershire County Council Pension Fund was carried out as at 31 March 2016 to determine the contribution rates with effect from 1 April 2017 to 31 March 2020. The key outcomes of the valuation are detailed below:

- The Fund's assets of £1,952 million represented 75% of the Fund's past service liabilities of £2,606 million (the "Funding Target") at the valuation date. This is an increase on the 69% funded position as a result of the 2013 valuation.
- A common rate of contribution of 15.3% of pensionable pay per annum is required from employers. The common rate is calculated as being sufficient, together with contributions paid by members, to meet all liabilities arising in respect of service after the valuation date.
- The deficit of £654 million would be eliminated by a contribution addition of £34 million per annum increasing at 3.7% per annum for 18 years.

The next actuarial valuation will be undertaken in 2019/20, with any changes to the employers' contribution rates being implemented with effect from 1 April 2020.

To meet the requirements of the Regulations, Worcestershire County Council as administering authority of the fund has set a clear long-term funding objective; to achieve and then maintain assets equal to 100% of projected accrued liabilities, assessed on an ongoing basis.

Sean Pearce
CPFA
Chief Financial Officer

2. Worcestershire County Council Pension Fund Account

For the year ended 31 March 2017

2015/16 £m		Notes	2016/17 £m
	Dealings with members, employers and others directly involved in the fund		
104.3	Contributions	5	107.8
5.4	Transfers in from other pension funds	6	8.0
109.7			115.8
(93.9)	Benefits	7	(95.5)
(7.3)	Payments to and on account of leavers	8	(7.0)
(101.2)			(102.5)
8.5	Net additions / (Withdrawals) from dealings with members		13.3
(1.2)	Administrative expenses	9	(1.0)
(6.8)	Management expenses	10	(7.2)
0.5	Net additions / (Withdrawals) including fund management and administrative expenses		5.1
	Returns on investments		
40.0	Investment income	11	30.4
(1.9)	Taxes on income	12	(1.0)
(73.6)	Profit and losses on disposal of investments and changes in the market value of investments	13a	494.1
(35.5)	Net return on investments		523.5
(35.0)	Net increase / (decrease) in the net assets available for benefits during the year		528.6
1,987.3	Opening fund net assets of the scheme		1,952.3
1,952.3	Closing fund net assets of the scheme		2,480.9

3. Net Assets Statement for the year ended 31 March 2017

2015/16		Notes	2016/17
£m			£m
0.0	Long term Investment Assets	13	0.1
1,918.4	Investment Assets	13	2,453.4
20.0	Cash deposits	13	22.4
1,938.4			2,475.9
(5.6)	Investment Liabilities	13	(5.2)
21.2	Current Assets	16	12.0
2.2	Non Current Assets	17	1.4
(3.9)	Current Liabilities	18	(3.2)
1,952.3	Net Assets of the fund available to fund benefits at the period end		2,480.9

The Financial Statements do not take into account liabilities to pay pensions and other benefits after the period end. The actuarial present value of promised retirement benefits (determined in accordance with IAS 19) are disclosed in the Actuarial Statement included in the Pension Fund Annual Report and note 2 to the accounts.

4. Notes to the Pension Fund Accounts

1. Description of Fund

a) General

The Pension Fund is administered by the County Council on behalf of their own employees, those of the Herefordshire Council, the District Councils, Private Sector admitted bodies with staff transferred under TUPE from the Administering Authority and other bodies in the county of Worcestershire, other than teachers, police officers, and fire fighters.

In matters relating to the management of the Fund's assets the Pension Committee is advised in relation to asset allocation decisions and the monitoring of external managers' performance by the Pension Investment Advisory Panel, which includes an independent financial adviser and the scheme manager. The Pension Committee consists of County Councillors and an Employer and Employee Representative. Formal monitoring takes place on a quarterly basis through meetings with investment managers to discuss their performance. Asset allocation is reviewed at least annually and pension administration issues are to be discussed quarterly at the Pension Administration Advisory Forum with any resulting recommendations considered by the Pension Committee.

The day to day management of the Fund's investments is divided between nine external investment managers operating in accordance with mandates set out in the Statement of Investment Principles.

b) Membership

A list of scheduled and admitted bodies contributing to the Fund is given in Note 25 to these accounts.

Membership of the LGPS is voluntary and employees are free to choose whether to join the scheme, remain in the scheme or make their own personal arrangements outside the scheme.

Organisations participating in the Worcestershire County Council Pension Fund include:

- Scheduled bodies, which are the local authorities and similar bodies whose staff are automatically entitled to be members of the fund.
- Admitted bodies, which are other organisations that participate in the fund under an admission agreement between the fund and the relevant organisation. Admitted bodies include voluntary, charitable and similar bodies or private contractors undertaking a local authority function following outsourcing to the private sector.

There are 194 employer organisations within the Worcestershire County Council Pension Fund including Worcestershire County Council.

The following table provides detail of fund membership:

	31 March 2016	31 March 2017
Contributors to the fund		
County Council	8,049	8,049
Other employers	14,648	14,259
Total	22,697	22,308
Pensions paid		
County Council	4,473	4,721
Other employers	11,880	12,197
Total	16,353	16,918
Deferred members		
County Council	8,142	8,307
Other employers	10,629	11,663
Total	18,771	19,970
Total number of members in the fund	57,821	59,196

A separate detailed Annual Report and Accounts, including the Statement of Investment Principles, is available from the Chief Financial Officer, Worcestershire County Council, County Hall, Spetchley Road, Worcester, WR5 2NP. The report is also available on the Council's website:

www.worcestershire.gov.uk/downloads/download/697/pension_fund_annual_report

c) Funding

Benefits are funded by contributions and investment earnings. Contributions are made by active members of the fund in accordance with the LGPS Regulations 2013 and range from 5.5% to 12.5% of pensionable pay for the financial year ending March 2017. Employee contributions are matched by employers' contributions which are set based on triennial funding valuations. The last such valuation was at 31 March 2016. Currently, employer contribution rates range from 5.5% to 41.9% of pensionable pay. The common 2016/17 employer contribution rate for the fund is 15.3%. In order to ensure employer contribution increases, required by the fund's actuary following the 31st March 2013 actuarial valuation, remained affordable, the administering authority agreed with employers to phase in any increases in their Secondary rate over a period of up to 6 years.

d) Pension Benefits

Benefits payable from the fund are governed by the Superannuation Act 1972, the Local Government Pension Scheme Regulations 2013 and the Local Government Pension Scheme (Transitional Provisions, Savings and Amendments) Regulations 2014.

Retirement Benefits

From 1 April 2014, the scheme became a career average scheme, whereby members accrue benefits based on their pensionable pay in that year at an accrual rate of 1/49th. Accrued pension is up-rated annually in line with the Consumer Price Index. Members in the 50/50 option build up a pension of a 98th of the pay received during that year, which is again protected against inflation.

Ill health pensions can be awarded based on one of three tiers for those that satisfy the scheme's criteria for permanent incapacity. Those in the 50/50 option have full ill-health and death cover.

Membership that was built up before 1 April 2014 continues to provide benefits as it did at the time. Membership from 1 April 2008 to 31 March 2014 provides final salary pensions based on 60ths. Membership before that also provides final salary benefits based on 80ths. Members can normally exchange some annual pension for a larger lump sum at the rate of 1:12, i.e. every £1 of annual pension given up in exchange for £12 lump sum. HMRC limits apply.

Generally a minimum of two years membership is required to draw retirement benefits.

Age of retirement

- Normal pension age is 65 or State pension age, whichever is the later, but can be paid earlier:
- Pension benefits are payable at any age if awarded due to ill health
- Members may retire with unreduced benefits from age 55 onwards if their retirement is on the grounds of redundancy or business efficiency
- Members who have left employment may request payment of benefits from age 55 onwards, but actuarial reductions may apply where benefits come into payment before normal retirement age. Employer consent is required for members who left prior to 1 April 2014.
- Members who remain in employment may also ask to retire flexibly from age 55 onwards if they reduce their hours of work or grade. Employer consent is required and actuarial reductions may apply
- Payment of benefits may be delayed beyond normal pension age but only up to age 75.

There are also various protections regarding membership that are linked to earlier normal retirement ages that applied in earlier versions of the scheme.

Death Benefits In service

A lump sum death grant is payable, normally equivalent to three years assumed pay. The Administering authority has absolute discretion over the distribution of this lump sum among the deceased's relatives, dependants, personal representatives or nominees. Pensions may also be payable to the member's spouse, civil partner, eligible cohabiting partner and eligible children.

After retirement

A death grant is payable if less than ten years pension has been paid and the pensioner is under age 75 at the date of death, the balance of ten years pension is paid as a lump sum. Pensions are also normally payable to the member's spouse, civil partner, eligible cohabiting partner and any eligible dependent children.

Cost of Living Increases

Career average pensions that are being built up and pensions in payment are increased annually to protect them from inflation. Pension increases are currently in line with the Consumer Prices Index (CPI). Where a member has a guaranteed minimum pension (which relates to membership during SERPS prior to 5 April 1997) some of the pension increase may be paid with the State Pension.

Leaving before pension age

Members leaving before becoming entitled to receive pension benefits can apply for a refund of pension contributions paid if their scheme membership is less than two years. Members with more than two years membership have the option to defer their benefits in the fund until normal retirement age or transfer their benefits to another pension scheme.

Further details regarding LGPS benefits can be found at: www.worcestershire.gov.uk/pensions or Email: pensions@worcestershire.gov.uk

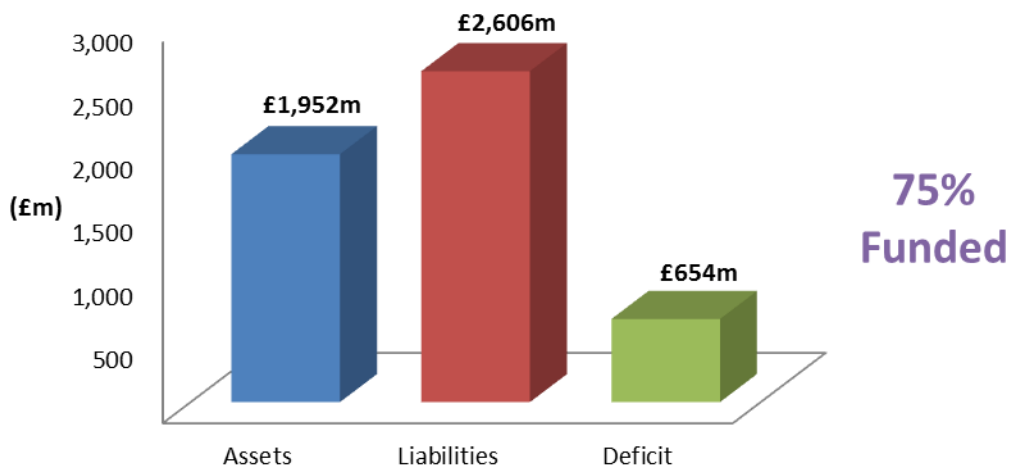
2. Actuarial Valuation and Actuarial Present Value of Promised Retirement Benefits

ACCOUNTS FOR THE YEAR ENDED 31 MARCH 2017 - STATEMENT BY THE CONSULTING ACTUARY

This statement has been provided to meet the requirements under Regulation 57(1)(d) of The Local Government Pension Scheme Regulations 2013.

An actuarial valuation of the Worcestershire County Council Pension Fund was carried out as at 31 March 2016 to determine the contribution rates with effect from 1 April 2017 to 31 March 2020.

On the basis of the assumptions adopted, the Fund's assets of £1,952 million represented 75% of the Fund's past service liabilities of £2,606 million (the "Funding Target") at the valuation date. The deficit at the valuation was therefore £654 million.



The valuation also showed that a common rate of contribution of 15.3% of pensionable pay per annum was required from employers. The common rate is calculated as being sufficient, together with contributions paid by members, to meet all liabilities arising in respect of service after the valuation date.

The funding objective as set out in the Funding Strategy Statement (FSS) is to achieve and maintain a solvency funding level of 100% of liabilities (the solvency funding target). In line with the FSS, where a shortfall exists at the effective date of the valuation a deficit recovery plan will be put in place which requires additional contributions to correct the shortfall (or contribution reductions to refund any surplus).

The FSS sets out the process for determining the recovery plan in respect of each employer. At this actuarial valuation the average deficit recovery period adopted is 18 years, and the total initial recovery payment (the "Secondary rate") for 2017/18 is approximately £34 million. This amount makes allowance for some employers to phase in any increases in their Secondary rate over a period of up to 6 years. For all other employers, their Secondary rate will increase at 3.7% per annum. Finally, some employers have opted to prepay their Secondary rate, either on an annual basis each April or by paying all 3 years' total amount in April 2017. In each case, that contribution is discounted to reflect its earlier payment.

Further details regarding the results of the valuation are contained in the formal report on the actuarial valuation dated March 2017.

In practice, each individual employer's position is assessed separately and the contributions required are set out in the report. In addition to the certified contribution rates, payments to cover additional liabilities arising from early retirements (other than ill-health retirements) will be made to the Fund by the employers.

The valuation was carried out using the projected unit actuarial method and the main actuarial assumptions used for assessing the Funding Target and the common contribution rate were as follows:

	For past service liabilities (Funding Target)	For future service liabilities (Common Contribution Rate)
Rate of return on investments (discount rate)	4.35% per annum	4.95% per annum
Rate of pay increases (long term)*	3.7% per annum	3.7% per annum
Rate of increases in pensions in payment (in excess of Guaranteed Minimum Pension)	2.2% per annum	2.2% per annum

* allowance was also made for short-term public sector pay restraint over a 4 year period.

The assets were assessed at market value.

The next triennial actuarial valuation of the Fund is due as at 31 March 2019. Based on the results of this valuation, the contribution rates payable by the individual employers will be revised with effect from 1 April 2020.

Actuarial Present Value of Promised Retirement Benefits for the Purposes of IAS 26

IAS 26 requires the present value of the Fund's promised retirement benefits to be disclosed, and for this purpose the actuarial assumptions and methodology used should be based on IAS 19 rather than the assumptions and methodology used for funding purposes.

In order to assess the value of the benefits on this basis, we have used the same actuarial assumptions as those used for funding purposes, other than the discount rate where we have used a rate of 3.6% p.a. rather than the rate as outlined above. We have also used valuation methodology in connection with ill-health and death benefits which is consistent with IAS 19. On this basis, the value of the Fund's promised retirement benefits as at 31 March 2016 was £3,010 million.

Ian Kirk
Fellow of the Institute and Faculty of Actuaries
Mercer Limited
May 2017

3. Pension Fund Investments 2016/17

The proportion of the market value of investment assets held by the external fund managers at the year-end was:

External Fund Manager	31 March 2016	%	31 March 2017	%
	£m		£m	
JP Morgan Asset Management (Bonds)	131.2	7	136.5	5
JP Morgan Asset Management (Emerging Markets)	109.9	6	153.0	6
Capital International Ltd	179.5	9	0.0	0
Nomura Asset Management UK Ltd	287.1	15	390.4	16
Schroder Investment Management	119.1	6	163.0	7
Legal and General Asset Management	933.4	49	1,412.2	57
Green Investment Bank	34.2	2	49.4	2
Hermes	38.0	2	49.2	2
Invesco	61.0	3	66.7	3
VENN	22.8	1	22.9	1
Walton Street	4.4	0	13.6	1
WCC Managed Account	8.1	0	8.4	0
	1,928.7	100	2,465.3	100

The following investments represent more than 5% of the net assets of the scheme:

Security	Market value 31 March 2016	% of total fund	Market value 31 March 2017	% of total fund
	£m		£m	
LGIM – UK Equity Index Pooled Fund	545.7	28.2	667.9	27.1
LGIM – North America Index Pooled Fund	33.7	1.7	289.3	11.7
LGIM – Europe (ex-UK) Index Pooled Fund	114.9	6.0	147.2	6.0

The Fund operates the practice of lending stock to a third party for a financial consideration.

Securities released to a third party under the stock lending agreement with the Fund's custodian, BNY Mellon, are included in the net assets statement to reflect the Fund's continuing economic interest of a proprietary nature in those securities.

The total amount of stock lent at the year-end was £27.8million (2016 £15.3million). Counterparty risk is managed through holding collateral at the fund's custodian bank. The total collateral, which consisted of acceptable corporate and sovereign debt as well as equities was £29.5million (2016 £16.2million) representing 106% of stock lent.

Income received from stock lending activities was £0.1million for the year ending 31 March 2017 (2016 £0.1million). This is included within the 'Investment Income' figure detailed on the Pension Fund Account.

Stock lending commissions are remitted to the fund via the custodian. During the period the stock is on loan, the voting rights of the loaned stocks are passed to the borrower.

There are no liabilities associated with the loaned assets.

4. Events after the Balance Sheet Date

The Statement of Accounts was authorised for issue by the Chief Financial Officer on [to be included] 2017. These are events, both favourable and unfavourable, that occur between the end of the reporting period and the date when the financial statements are authorised for issue. Events taking place after this date are not reflected in the financial statements or notes. There are no material events that have occurred after the balance sheet date of 31st March 2017.

5. Contributions Receivable

By category:

	2015/16 £m	2016/17 £m
Employers		
Normal contributions	45.6	46.3
Deficit recovery contributions	33.5	36.8
Augmentation contributions	3.5	2.7
Employees		
Normal contributions	21.3	21.6
Additional contributions	0.4	0.4
	104.3	107.8

By authority:

	2015/16 £m	2016/17 £m
Worcestershire County Council	31.3	30.8
Scheduled bodies*	60.1	62.0
Community admission bodies	7.8	5.5
Transferee admission bodies	4.6	8.7
Designated bodies	0.5	0.8
	104.3	107.8

* The increase in Scheduled Bodies' contributions is mainly a result of the maintained schools converting to Academies during 2016/17. Maintained schools are included within Worcestershire County Council's contributions, whilst Academies are Scheduled bodies in the Fund.

6. Transfers in and from other Pension Funds

	2015/16 £m	2016/17 £m
Individual transfers	5.4	8.0
	5.4	8.0

7. Benefits Payable

By category:

	2015/16	2016/17
	£m	£m
Pensions	75.0	77.3
Commutations and lump sum retirement benefits	17.1	16.0
Lump sum death benefits	1.8	2.2
	93.9	95.5

By authority:

	2015/16	2016/17
	£m	£m
Worcestershire County Council	37.8	36.1
Scheduled bodies	47.0	48.4
Admitted bodies	1.7	1.6
Community admission bodies	4.7	6.2
Transferee admission bodies	2.2	2.7
Designated bodies	0.5	0.5
	93.9	95.5

8. Payments to and on Account of Leavers

	2015/16	2016/17
	£m	£m
Individual transfers	6.1	7.0
Group transfers	1.2	0.0
	7.3	7.0

At year-end there are potential liabilities of £0.2 million in respect of individuals transferring out of the Pension Fund upon whom the fund is awaiting final decisions.

9. Administrative Expenses

	2015/16	2016/17
	£m	£m
Employee expenses	0.4	0.5
Support services	0.3	0.1
Actuarial services	0.2	0.2
Other expenses	0.3	0.2
	1.2	1.0

The audit fee for work completed by the Fund's external auditors for the year ended 31st March 2017 was £26,156 (£26,156 for the year ended 31st March 2016).

10. Management Expenses

	2015/16 £m	2016/17 £m
Oversight and Governance	0.1	0.1
Investment Management Expenses		
Administration, management and custody fees*	6.5	7.0
Other expenses	0.2	0.1
	6.8	7.2

10 a. Investment Management Expenses

	2015/16 £m	2016/17 £m
Management fees	5.3	5.6
Custody fees	0.4	0.3
Transaction costs	1.0	1.2
	6.7	7.1

The £7.2m management expenses incurred in 2016/17 represent 0.29% or 29bps of the market value of the fund's assets as at 31st March 2017 (0.35% or 35bps 31st March 2016). The increase in management expenses is mainly due to the addition of pooled property investments and pooled infrastructure investments to the fund's portfolio and the increase in the Fund's equities market value resulting in an increase in investment management fees that are based on the value of assets under management. The decrease in investment management fees as a percentage of the Fund's market value is mainly due to the reduction in active management of the Fund's equities in favour of passive management combined with negotiated investment management fee reductions. No performance related fees were paid by the fund in 2016/17 or 2015/16.

The cash for the pooled property investments and pooled infrastructure investment drawdowns was transitioned from the overweight position held in UK passive equities, which have a very low management fee in comparison. The reason for the investment in pooled property investments and pooled infrastructure investments was to further diversify the fund's assets whilst maintaining long term target investment returns. These investments have a J-Curve return profile, so are expected to provide increased returns as the pooled funds mature.

* The Fund has applied CIPFA's guidance 'Accounting for Local Government Pension Scheme Management Costs', which requires external investment management fees and transaction costs to be deducted from asset values (rather than invoiced and paid directly). These are shown gross: the application of the guidance increases management expenses from £5.1 million to £7.2 million for 2016/17 (£5.7 million to £6.7 million 2015/16). It is important to note that the application of the guidance does not represent an actual increase in costs, nor a decrease in the Fund's resources to pay pension benefits.

11. Investment Income

	2015/16	2016/17
	£m	£m
Fixed interest securities	4.3	4.2
Equity dividends*	32.5	18.4
Pooled Property investments	0.7	4.6
Pooled Infrastructure investments	1.6	2.9
Interest on cash deposits	0.8	0.2
Securities lending	0.1	0.1
	40.0	30.4

* The reduction in equity dividends is due to the transition of North America equity investments from active management to passive management during 2016/17. The investment income associated with the passive managed pooled funds is retained within the pooled funds and reinvested increasing the value of the pooled funds' units.

12. Taxes on Income

	2015/16	2016/17
	£m	£m
Withholding tax - equities	(1.9)	(1.0)
	(1.9)	(1.0)

13. Investments

	Market value 31 March 2016	Market Value 31 March 2017
	£m	£m
Long term Investment Assets		
LGPS Central –AFIM	0.0	0.1
Investment assets		
Fixed interest securities	119.5	130.7
Equities	679.7	678.9
Pooled investment vehicles	947.8	1,434.9
Pooled property investments	88.2	101.5
Pooled Infrastructure investments	72.2	98.6
Derivatives - futures	0.0	0.1
Derivatives - forward FX	3.1	1.2
Cash deposits	20.0	22.4
Investment income due	4.1	5.3
Amounts receivable for sales	3.8	2.2
Total investment assets	1,938.4	2,475.9
Investment liabilities		
Derivatives - futures	(0.1)	(0.2)
Derivatives - forward FX	(0.5)	(0.2)
Amounts payable for purchases	(5.0)	(4.8)
Total investment liabilities	(5.6)	(5.2)
Net investment assets	1,932.8	2,470.7

13 a: Reconciliation of movements in investments and derivatives

	Market value 31 March 2016	Purchases during the year and derivative payments	Sales during the year and derivative receipts	Change in market value during the year	Market value 31 March 2017
-	£m	£m	£m	£m	£m
Long-term Investment Assets					
LGPS Central – AFIM	0.0	0.1	0.0	0.0	0.1
	0.0	0.1	0.0	0.0	0.1
Investment Assets					
Fixed interest securities	119.5	80.0	(85.5)	16.7	130.7
Equities	679.7	361.6	(534.8)	172.4	678.9
Pooled investment vehicles	947.8	360.2	(179.5)	306.4	1,434.9
Pooled Property investments	88.2	21.1	(16.1)	8.3	101.5
Pooled Infrastructure investments	72.2	27.3	(5.0)	4.1	98.6
	1,907.4	850.2	(820.9)	507.9	2,444.6
Derivative contracts:					
Futures	(0.1)	2.7	(2.9)	0.2	(0.1)
Forward currency contracts	2.6	30.7	(11.7)	(20.6)	1.0
	1,909.9	883.6	(835.5)	487.5	2,445.6
Other investment balances:					
Cash deposits	20.0			6.6	22.4
Investment income due	4.1				5.3
Amount receivable for sales of investments	3.8				2.2
Amounts payable for purchases of investments	(5.0)				(4.8)
Net investment assets	1,932.8			494.1	2,470.7

The change in market value of investments during the year comprises all increases and decreases in the market value of investments held at any time during the year, including profits and losses realised on sales of investments during the year.

	Market value 31 March 2015	Purchases during the year and derivative payments restated	Sales during the year and derivative receipts	Change in market value during the year	Market value 31 March 2016
	£m	£m	£m	£m	£m
-					
Fixed interest securities	127.4	74.2	(83.8)	1.7	119.5
Equities	1,199.9	363.6	(801.5)	(82.3)	679.7
Pooled investment vehicles	623.3	954.1	(638.9)	9.3	947.8
Pooled Property investments	0.0	91.9	(5.7)	2.0	88.2
Pooled Infrastructure investments	0.0	89.7	(18.8)	1.3	72.2
	1,950.6	1,573.5	(1,548.7)	(68.0)	1,907.4
Derivative contracts:					
Futures	(0.1)	3.2	(2.7)	(0.5)	(0.1)
Forward currency contracts	(2.6)	20.5	(11.7)	(3.6)	2.6
	1,947.9	1,597.2	(1,563.1)	(72.1)	1,909.9
Other investment balances:					
Cash deposits	15.6			(1.5)	20.0
Investment income due	6.9				4.1
Amount receivable for sales of investments	2.4				3.8
Amounts payable for purchases of investments	(2.8)				(5.0)
Net investment assets	1,970.0			(73.6)	1,932.8

The change in market value of investments during the year comprises all increases and decreases in the market value of investments held at any time during the year, including profits and losses realised on sales of investments during the year.

Transaction costs are not included in the cost of purchases and sale proceeds, as have been included in Investment Management Expenses, as per CIPFA guidance. Transaction costs include costs charged directly to the scheme such as fees, commissions, and other fees. Transaction costs incurred during the 2016/17 year amounted to £1.2 million, (2015/16 £0.9 million). These transaction costs represent 0.05% or 5bps of the Market Value of the Fund's assets as at 31st March 2017 (5bps at 31st March 2016).

Indirect costs are incurred through the bid-offer spread on investments within pooled investments vehicles. The amount of indirect costs is not separately provided to the scheme.

Note 13 b: Analysis of Investments (excluding derivative contracts, cash and other investment balances)

	31 March 2016 £m	31 March 2017 £m
Long term Investment Assets		
LGPS Central – AFIM	0.0	0.1
	0.0	0.1
Fixed interest securities		
UK corporate quoted	8.1	8.2
Overseas public sector quoted	0.0	0.0
Overseas corporate quoted	111.4	122.5
	119.5	130.7
Equities		
UK quoted	14.2	12.5
Overseas quoted	665.5	666.4
	679.7	678.9
Pooled Investment Vehicles		
Other UK managed funds – UK equities	545.7	667.9
– Overseas equities	148.6	436.5
– Global equities	239.1	307.8
Other overseas managed funds – Overseas equities	14.4	22.7
	947.8	1,434.9
Pooled Funds - Additional Analysis		
Pooled property investments - UK	22.8	23.0
Pooled property investments - overseas	65.4	78.5
	88.2	101.5
Pooled Infrastructure investments - UK	72.2	98.6
	72.2	98.6
Derivatives - futures	0.0	0.1
Derivatives - forward FX	3.1	1.2
Cash deposits	20.0	22.4
Investment income due	4.1	5.3
Amounts receivable for sales	3.8	2.2
Total investment assets	1,938.4	2,475.9
Investment liabilities		
Derivatives - futures	(0.1)	(0.2)
Derivatives - forward FX	(0.5)	(0.2)
Amounts payable for purchases	(5.0)	(4.8)
Total investment liabilities	(5.6)	(5.2)
Net investment assets	1,932.8	2,470.7

Analysis of derivatives

Objectives and policies for holding derivatives

Most of the holding in derivatives is to hedge exposures to reduce risk in the fund. Derivatives may be used to gain exposure to an asset more efficiently than holding the underlying asset. The use of derivatives is managed in line with the investment management agreement between the fund and investment managers.

a) Futures

The fund's investment managers hold cash balances in order to ensure efficient and timely trading when opportunities arise. The fund's management did not want this cash to be 'out of the market' and so enabled a number of investment managers to buy and sell futures contracts which had an underlying economic value broadly equivalent to the cash held. The economic exposure represents the notional value of the stock purchased under futures contracts and is therefore subject to market movements. The portfolio cannot be geared to and must have the liquidity needed to cover open positions. Derivative receipts and payments represent the realised gains and losses on futures contracts.

b) Forward foreign currency

In order to maintain appropriate diversification and to take advantage of overseas investment returns, the Fund's bond mandate targets outperformance against a global benchmark index. To reduce volatility associated with the fluctuating currency rates, the fund has enabled the bond mandate investment manager to purchase and sell forward foreign currencies as a hedge.

Futures

Outstanding exchange traded futures contracts are as follows:

Assets

Type of future	Expiration	Economic Exposure Value	Market Value	Economic Exposure Value	Market Value
		£m	31 March 2016 £m	£m	31 March 2017 £m
UK gilt exchange traded	Less than one year	1.1	0.0	0.3	0.0
Overseas exchanged traded	Less than one year	9.3	0.0	29.4	0.1
Total assets			0.0		0.1

Liabilities

Type of future	Expiration	Economic Exposure Value	Market Value	Economic Exposure Value	Market Value
		£m	31 March 2016 £m	£m	31 March 2017 £m
Overseas exchanged traded	Less than one year	0.5	(0.1)	(21.3)	(0.2)
Total liabilities			(0.1)		(0.2)
Net futures			(0.1)		(0.1)

Open forward currency Contracts as at 31 March 2017

Settlement	Currency Bought	Local Currency Value m	Currency Sold	Local Currency Value m	Asset Value £m	Liability Value £m
One to six months	EUR	36.5	GBP	31.4	0.1	
One to six months	USD	250.5	GBP	201.4	1.1	
One to six months	EUR	32.5	GBP	27.7		(0.1)
One to six months	GBP	0.8	EUR	0.9		0.0
One to six months	GBP	7.0	USD	0.9		(0.1)
One to six months	USD	0.8	GBP	0.6		(0.0)
					1.2	(0.2)
Net forward currency contracts at 31 March 2017						1.0
Prior year comparative:						
Open forward currency contracts at 31 March 2016					3.1	(0.5)
Net forward currency contracts at 31 March 2016						(2.6)

Analysis of Cash

	2015/16 £m	2016/17 £m
Cash		
Cash deposits	9.2	13.7
Cash instruments	10.8	8.7
	20.0	22.4

Note 14: Financial Instruments

Note 14 a: Classification of financial instruments

Accounting policies describe how different asset classes of financial instruments are measured, and how income and expenses, including fair value gains and losses, are recognised. The following table analyses the carrying amounts of financial assets and liabilities by category and net assets statement heading. No financial assets were reclassified during the accounting period.

Designated as fair value through profit and loss	Loans and receivables	Financial liabilities at amortised cost	Designated as fair value through profit and loss	Loans and receivables	Financial liabilities at amortised cost
31 March 2016	31 March 2016	31 March 2016	31 March 2017	31 March 2017	31 March 2017
£m	£m	£m	£m	£m	£m
Financial assets					
119.5			Fixed interest securities	130.7	
679.7			Equities	678.9	
947.8			Pooled investment vehicles	1,434.9	
88.2			Pooled property investments	101.5	
72.2			Pooled Infrastructure investments	98.6	
0.0			Derivatives - Futures	0.1	
3.1			Derivatives - Forward FX	1.2	
	28.0		Cash		25.2
7.9			Other investment Balances	7.5	
	13.2		Current assets		9.2
	2.2		Non-current assets		1.4
1,918.4	43.4	0.0	2,453.4	35.8	0.0
Financial liabilities					
(0.1)			Derivatives - Futures	(0.2)	
(0.5)			Derivatives - Forward FX	(0.2)	
(5.0)			Other investment balances	(4.8)	
		(3.9)	Current liabilities		(3.2)
(5.6)	0.0	(3.9)	(5.2)	0.0	(3.2)
1,912.8	43.4	(3.9)	2,448.2	35.8	(3.2)

Note 14 b: Net gains and losses on financial instruments

31 March 2016		31 March 2017
£m		£m
Financial assets		
(68.0)	Fair value through profit and loss	507.9
(1.5)	Loans and receivables	6.6
Financial liabilities		
(4.1)	Fair value through profit and loss	(20.4)
(73.6)	Total	494.1

Fair value through profit and loss is the combination of realised and unrealised profit and loss. The large increase, following on from previous decrease is a result of volatility in global equity markets since 2015/16 and the decrease in the value of Sterling resulting in an increase the value of the Fund's overseas investments when converted back to Sterling.

The Fund has not entered into any financial guarantees that are required to be accounted for as financial instruments.

Note 14 d: Valuation of financial instruments carried at fair value

The valuation of financial instruments has been classified into three levels, according to the quality and reliability of information used to determine fair values.

Level 1

Financial instruments at Level 1 are those where the fair values are derived from unadjusted quoted prices in active markets for identical assets or liabilities. Products classified as level 1 comprise quoted equities, quoted fixed interest securities and quoted index linked securities.

Listed investments are shown at bid prices. The bid value of the investment is based on the bid market quotation of the relevant stock exchange.

Level 2

Financial instruments at level 2 are those where quoted market prices are not available; for example, where an instrument is traded in a market that is not considered to be active, or where valuation techniques are used to determine fair value and where these techniques use inputs that are based significantly on observable market data.

Level 3

Financial instruments at level 3 are those where at least one input could have a significant effect on the instrument's valuation is not based on observable market data.

Such instruments would include unquoted equity investments, pooled property investments and pooled infrastructure investments which are valued using various valuation techniques that require significant judgment in determining appropriate assumptions.

The following table provides an analysis of the financial assets and liabilities of the pension fund into levels 1 to 3, based on the level at which the fair value is observable:

	Quoted market price	Using observable inputs	With significant unobservable inputs	
Values at 31 March 2017	Level 1	Level 2	Level 3	
	£m	£m	£m	£m
Fair Value Financial assets				
Financial assets at fair value through profit and loss	817.1	1,436.2	200.1	2,453.4
Loans and receivables	35.8	0.0	0.0	35.8
Total fair value financial assets	852.9	1,436.2	200.1	2,489.2
Fair Value Financial Liabilities				
Financial liabilities at fair value through profit and loss	0.0	(5.2)	0.0	(5.2)
Total fair value financial liabilities	0.0	(5.2)	0.0	(5.2)
Net fair value financial assets	852.9	1,431.0	200.1	2,484.0

	Quoted market price	Using observable inputs	With significant unobservable inputs	
Values at 31 March 2016	Level 1	Level 2	Level 3	
	£m	£m	£m	£m
Fair Value Financial assets				
Financial assets at fair value through profit and loss	807.1	950.9	160.4	1,918.4
Loans and receivables	43.4	0.0	0.0	43.4
Total fair value financial assets	850.5	950.9	160.4	1,961.8
Fair Value Financial Liabilities				
Financial liabilities at fair value through profit and loss	(0.0)	(5.6)	(0.0)	(5.6)
Total fair value financial liabilities	(0.0)	(5.6)	(0.0)	(5.6)
Net fair value financial assets	850.5	945.3	160.4	1,956.2

Level 3 Investments: Further analysis

	Valuation range	Value as at 31 st March 2017	Valuation Increase	Valuation Decrease
Sensitivity Analysis	+/- %	£m	£m	£m
Pooled Investments - Property Funds	7%	101.5	108.6	94.4
Pooled Investments - Infrastructure Funds	7%	98.6	105.5	91.7
Total		200.1	214.1	186.1

Investment Movement	Property £m	Infrastructure £m
Market Value 1 st April 2016	88.2	72.2
Purchases and Payments	21.1	27.4
Sales	(15.2)	(5.1)
Unrealised gains/(losses)	7.1	2.3
Realised gains/(losses)	0.3	1.8
Market value 31st March 2017	101.5	98.6

Note 15: Nature and extent of Risks arising from Financial Instruments

In the course of every day operating, the Pension Fund is subject to a number of risk factors arising from the holding of financial instruments. The main risks arising from the holding of the Fund's financial instruments are market risk, credit risk and liquidity risk.

As detailed in the Pension Fund Statement of Investment principles the Fund holds equity and bond instruments in order to meet the Fund's investment objectives. The Fund's investment objectives and risk management policies are as follows;

- (1) The investment objective for the Fund is to:-
 - (a) ensure that sufficient assets are available to meet liabilities as they fall due;
 - (b) maximise the return at an acceptable level of risk.
- (2) Risk management is mostly concerned with:
 - avoiding the possibility of loss, or
 - limiting a deficiency in the underlying Fund, or
 - avoiding a contribution rate increase in the future.

Market risk

Market risk is the risk of loss from fluctuations in equity and commodity prices, interest and foreign exchange rates and credit spreads. The fund is exposed to market risk from its investment activities, particularly through its equity holdings. The level of risk exposure depends on market conditions, expectations of future price and yield movements and the asset mix.

The objective of the fund's risk management strategy is to identify, manage and control market risk exposure within acceptable parameters, whilst optimising the return on risk.

There are three main types of market risk that the Fund is exposed to as at 31 March 2017:

- Equity Risk
- Interest Rate Risk
- Foreign Exchange Risk

Equity risk refers to the risk arising from the volatility in stock prices; this can be systematic risk, the risk due to general market factors and affects the entire industry, or unsystematic risk, which refers to the risk specific to a company that arises due to the company specific characteristics. Interest rate risk is the risk that the value of a security will fall as a result of increase in interest rates. Foreign exchange risk arises because of fluctuations in the currency exchange rates.

The Fund reduces its unsystematic equity risk by diversifying investments across global markets, investing in over 1000 companies worldwide through active segregated mandates and passive pooled funds. Investment restrictions are built into contracts held with each investment manager to ensure risk concentration is minimal and gearing of the Fund's equity and fixed income assets cannot take place.

Interest rate risk has been reduced through the holding of fewer bonds as a percentage of the Fund's total assets.

Foreign Exchange risk exists in relation to the Fund's overseas equity investments. The Fund runs un-hedged equity portfolios and therefore is subject to currency fluctuations. It is the administering authority's view that in the long-run currency volatility trends to an average of nil against Sterling and therefore any hedging of currency would just be an additional cost to the Fund.

The Fund contracts Portfolio Evaluation Ltd to independently measure the Fund's investment returns and the Fund's absolute and relative risk for each portfolio and also the Fund as a whole. The Fund receives quarterly reports from Portfolio Evaluation Ltd listing returns and risk. The Fund's Independent Financial Adviser also provides a yearly report to the Pension Investment Advisory Panel, providing details of the Fund's risk and comparisons to other LGPS Funds.

Equity risk analysis

Following analysis of historical data and expected investment return movement during the financial year, in consultation with the fund's independent financial adviser and Portfolio Evaluation Ltd, the Fund has determined that the following movements in market price risk are reasonably possible for the 2016/17 reporting period:

Asset Type	Potential Market Movements (+/-)
Fixed interest securities	3.4 %
UK equities	7.7 %
Overseas equities	12.8 %
UK pooled investment vehicle	7.7 %
Overseas pooled investment vehicle	12.8 %
Global pooled investment vehicle	12.2 %
Pooled property investments	5.0 %
Pooled Infrastructure investments	5.0 %

The potential price changes disclosed above are broadly consistent with a one standard deviation movement in the value of the assets. The analysis assumes that all other variables, in particular foreign exchange rates and interest rates, remain the same.

If the market price of the fund investments increases/decreases in line with the potential market movements above, the change in the net assets available to pay benefits will be as follows (the actual prior year movement in all asset classes is shown in note 13):

Asset Type	Value as at 31 March 2017 £ m	Percentage change %	Value on increase £m	Value on decrease £m
Cash and cash equivalents	22.4	0.0%	22.4	22.4
Investment portfolio assets:				
UK fixed interest securities	8.2	3.4%	8.5	7.9
Overseas fixed interest securities	122.5	3.4%	126.7	118.3
UK equities	12.5	7.7%	13.5	11.5
Overseas equities	666.4	12.8%	751.7	581.1
UK pooled investment vehicle	667.9	7.7%	719.3	616.5
Overseas pooled investment vehicle	459.2	12.8%	518.0	400.4
Global pooled investment vehicle	307.8	12.2%	345.4	270.2
Pooled property investments	101.5	5.0%	106.6	96.4
Pooled Infrastructure investments	98.6	5.0%	103.5	93.7
Net derivative assets	0.9	0.0%	0.9	0.9
Investment income due	5.3	0.0%	5.3	5.3
Amounts receivable for sales	2.2	0.0%	2.2	2.2
Amount payable for purchases	(4.8)	0.0%	(4.8)	(4.8)
Total	2,470.6		2,719.2	2,222.0

Interest rate risk analysis

The fund's direct exposure to interest rate movements as at 31 March 2017 and 31 March 2016 is set out below. These disclosures present interest rate risk based on the underlying financial assets at fair value:

Asset Type	Value as at 31 March 2016	Value as at 31 March 2017
	£m	£m
Cash and cash equivalents	20.0	22.4
Cash balances	8.0	2.8
Fixed interest securities	119.5	130.7
Total	147.5	155.9

Interest rate risk sensitivity analysis

The Fund recognises that interest rates can vary and can affect both income to the fund and the value of the net assets available to pay benefits. The Council's treasury management adviser, Capita, has advised that medium to long-term average rates are expected to move less than 100 basis points from one year to the next and experience suggests that such movements are likely.

The analysis that follows assumes that all other variables, in particular exchange rates, remain constant, and shows the effect in the year on the net assets available to pay benefits as at 31 March 2017 of a +/- 100 Basis Points (BPS) change in interest rates:

Asset Type	Carrying amount as at 31 March 2017	Change in year in the net assets available to pay benefits	
		+ 100 BPS	- 100 BPS
	£m	£m	£m
Cash and cash equivalents	22.4	22.6	22.2
Cash balances	2.8	2.8	2.8
Fixed interest securities	130.7	132.0	129.4
Total change in assets available	155.9	157.4	154.4

A 1% increase in interest rates will not affect the interest received on fixed income but will reduce their fair value and vice versa. Changes in interest rates do not impact the value of cash deposits / cash and cash equivalent balances but they will have a small effect on the interest income received on those balances. Changes to both the fair value of assets and the income received from investments impact on the net assets available to pay benefits.

Currency Risk

The following table summarises the fund's currency exposure as at 31 March 2017 and as at the previous period end:

Currency exposure - asset type	Asset value as at 31 March 2016	Asset value as at 31 March 2017
	£m	£m
Overseas quoted securities	665.5	666.4
Overseas pooled investment vehicle	163.0	459.2
Global pooled investment vehicle	239.1	307.8
Overseas pooled property investments	65.4	78.5
Total overseas assets	1,133.0	1,511.9

Overseas bonds are 100% hedged to GBP at 31 March 2017.

Currency Risk – Sensitivity analysis

Following analysis of historical data in consultation with the fund's performance measurement provider, the Council considers the likely volatility associated with foreign exchange rate movements to be 7.6% (as measured by one standard deviation).

This analysis assumes that all other variables, in particular interest rates, remain constant.

A 7.6% strengthening/weakening of the pound against various currencies in which the fund holds investments would increase/decrease the net assets available to pay benefits as follows:

Currency exposure - asset type	Asset value as at 31 March 2017	Change to net assets available to pay benefits	
		+ 7.6%	-7.6 %
	£m	£m	£m
Overseas quoted securities	666.4	717.0	615.8
Overseas pooled investment vehicle	459.2	494.1	424.3
Global pooled investment vehicle	307.8	331.2	284.4
Overseas pooled property investments	78.5	84.5	72.5
Total change in assets available	1,511.9	1,626.8	1,397.0

Credit Risk

Credit risk is an investor's risk of loss arising from a borrower who does not make payments as promised. In essence the fund's entire investment portfolio is exposed to some form of credit risk, with the exception of the derivatives position, where the risk equates to the net market value of a positive derivative position. However the selection of high quality counterparties, brokers and financial institutions minimises credit risk that may occur through the failure to settle a transaction in a timely manner. Investment restrictions are listed in the contract held with the manager, which limit the amount of credit risk the manager is allowed to take and also states an average credit rating with regards to bonds held that should be maintained.

The bond manager provides a quarterly investment report to the Fund, which details the credit risk held in the portfolio. The Fund's Independent Financial Adviser also provides a yearly report to the Pension Investment Advisory Panel, providing details of the Fund's bond portfolio absolute and relative risk. Deposits are not made with banks and financial institutions unless they are rated independently and have a strong credit rating. In addition, the council invests an agreed percentage of its funds in the money markets to provide diversification. Money market funds chosen all have an 'AAA' rating from a leading rating agency.

The fund's cash holding at 31 March 2017 was £25.2million (31 March 2016: £28.0million). This was held with the following institutions:

Summary	Rating	Balances as at 31 March 2016 £m	Balances as at 31 March 2017 £m
Money market funds			
BNY Mellon Sterling Liquidity Fund	AAA	0.5	0.2
BNY Mellon US Dollar Liquid Fund	AAA	5.5	4.5
BNY Mellon US Dollar	AAA	0.0	0.0
JPM liq-ster Liquidity-x	AAA	3.3	2.3
JPM liq-USD Liquidity-XDI	AAA	1.5	1.7
Bank deposit accounts			
The Bank of New York Mellon	A-1+	9.2	13.7
Bank current accounts			
Barclays Bank PLC	A-2	8.0	2.8
Total		28.0	25.2

Liquidity Risk

Market liquidity risk is the risk that a given security or asset cannot be traded quickly enough in the market to prevent a loss (or make the required profit) or to meet the financial obligations of the Fund as they fall due. The Fund's investment managers purchase quoted and tradable securities. Equities held are listed on major world stock markets and managers employed are highly experienced in equity trading. The liquidity risk relating to the bond holdings is monitored and managed by the bond manager on an on-going basis. The Council also takes steps to ensure that the pension fund has adequate cash resources to meet commitments.

Note 16: Current assets

	2015/16 £m	2016/17 £m
Contributions due from employer in respect of:		
Employer	6.8	5.0
Members	1.7	1.8
Magistrates Courts Bulk Transfer Payment Due	0.7	0.7
Augmentation	3.5	1.2
Cash balances	8.0	2.8
Other Debtors	0.5	0.5
	21.2	12.0

Note 17: Non-current assets

	2015/16	2016/17
	£m	£m
Magistrates Courts Bulk Transfer Payment Due	2.0	1.3
Augmentation	0.2	0.1
	2.2	1.4

Note 18: Current liabilities

	2015/16	2016/17
	£m	£m
Investment management expenses	(0.9)	(1.3)
Payroll and external vendors	(1.8)	(1.5)
Other expenses	(1.2)	(0.4)
	(3.9)	(3.2)

Note 19: Analysis of debtors and creditors**Analysis of debtors**

	31 March 2016	31 March 2017
	£m	£m
Central government bodies	2.7	2.0
Other local authorities	5.8	5.6
Other entities and individuals	6.9	3.0
	15.4	10.6

Analysis of creditors

	31 March 2016	31 March 2017
	£m	£m
Central government bodies	(0.9)	(1.3)
Other local authorities	(1.8)	(1.5)
Other entities and individuals	(1.2)	(0.4)
	(3.9)	(3.2)

20. Related Party Transactions**Worcestershire County Council**

The Worcestershire County Council Pension Fund is administered by Worcestershire County Council. Consequently there is a strong relationship between the Council and the Pension Fund.

The Council incurred costs of £1.1 million in 2016/17 (2015/16: £1.1 million) in relation to the administration of the fund and was subsequently reimbursed by the fund for these expenses. The council is also the single largest employer of members of the pension fund and contributed £29.9 million to the fund in 2016/17 (2015/16: £31.3 million).

Scheduled, Admitted and Resolution bodies of the Fund are also related parties and are listed in note 25 to the accounts. Transactions with these bodies are disclosed on an aggregate basis in notes 5, 7, 16, 17, 18 and 19 to the accounts.

Key Management Personnel

The posts of Chief Financial Officer, Senior Finance Manager and HR Service Centre Manager are deemed to be key management personnel with regards to the Pension Fund. The financial value of their relationship with the fund (in accordance with IAS24) is set out below:

	2015/16	2016/17
	£000	£000
Short term benefits*	44	46
Long term/ post-retirement benefits**	194	208
	238	254

*This is the pensions element of short term remuneration for key management personnel, i.e. annual salary, benefits in kind and employer contributions

**This is the accrued pension benefits, expressed as cash equivalent transfer value.

Governance

The Pensions Committee Employer Representative and Employee Representative are active members of the Fund.

21. Contingent liabilities

Outstanding capital commitments (investments) at 31 March 2017 totalled £31.7 million (31 March 2016: £44.1 million).

These commitments relate to outstanding call payments due on unquoted limited partnership funds held in the Pooled Property Investments and Pooled Infrastructure investments part of the portfolio. The amounts 'called' by these funds are irregular in both size and timing over a period of between one and three years from the date of the original commitment.

22. Contingent assets

Eleven admitted body employers in the Worcestershire County Council Pension Fund hold insurance bonds to guard against the possibility of being unable to meet their pension obligations. These bonds are drawn in favour of the pension fund and payment will only be triggered in the event of employer default. No bonds were called upon in this financial year.

23. Additional voluntary contributions

The amounts administered under AVC arrangements during 2016/17 are as follows:

	2015/16	2016/17
	£m	£m
Contributions received	0.2	0.1
Investments purchased	0.2	0.1
Change in market value	0.0	(0.1)
Retirement benefits paid or transferred	0.4	0.3

The combined value of the AVC funds at 31 March 2017 was £2.2 million, (31 March 2016 £3.0 million).

In accordance with Regulation 5(2) (c) of the Pension Scheme (Management and Investment of Funds) Regulations 1998 these amounts are not included in the Pension Fund Accounts but are disclosed as a note only.

24. Agency Services

The Worcestershire County Council Pension Fund pays discretionary awards to the former employees of Herefordshire County Council. The amounts paid are not included within the Fund Account but are provided as a service and fully reclaimed from the employer. The sums are disclosed below.

	2015/16	2016/17
	£m	£m
Payments on behalf of Herefordshire County Council	0.1	0.1
	0.1	0.1

25. Participating Employers of the Fund at 31 March 2017

Scheduled Bodies

Worcestershire County Council	Marden Primary School Academy
Advance Trust/Vale of Evesham School	Matchborough First
Ashperton Primary School Academy	Mordiford Academy
Aspire Academy	N E W College
Astwood Bank 1st School	Newbridge Advance Trust
Barrs Court Special School & College	Nunnery Wood Academy
Bengeworth First School	Oasis Community Learning (Warndon Primary)
Bishop Perowne Academy	Our Lady of Lourdes Academy
Bredon Hill Middle	Perry Wood Prim & Nursery(Griffin Sch T)
Brockhampton Academy	Pershore Academy
Bromsgrove District Council	Prince Henry's High School
Brookfield School	Probation
Building Control	Queen Elizabeth Academy
Burghill Community Primary School	Reach Assisted Living
Burley Gate Primary	Redditch Borough Council
Canon Pyon Academy	Redditch RSA Academies Trust
Chantry Academy	Regency High School
Christopher Whitehead Academy	Regulatory Services (Broms)
ContinU Plus	Ridgeway Academy
Crabbs Cross	Riversides Academy
Diocese of Worcs MAT	Robert Owen Free School Academy
Droitwich Academy	Somers Park Academy
Dyson Perrins Academy	South Bromsgrove High School - Academy
Farifield High School	South Worcestershire Coll (Was Evesham & Malvern Hills College)
Gorse Hill Academies	South Worcestershire ICT Shared Services
Great Malvern Academy	St John's CofE Middle

Great Witley Primary	St Matthias Academy
H & W Community Council	St Michaels Primary
H & W Fire Authority	St Nicholas Owen Catholic Multi Academy Company
Hanley Castle Academy	St Pauls C of E Academy
Haybridge Academy	St Thomas Cantilupe Academy
Hereford Accademy	Stourport Academy
Hereford College of Art	Stretton Sugwas Academy
Hereford College of Technology	Suckley Academy
Hereford Marches Fed of Academies	Tenbury academy
Hereford Sixth Form College	Tenbury High School
Hereford Steiner Academy	The Coppice Primary Academy
Herefordshire (unitary)	The Vaynor Academy
HIBOS	Trinity Academy
Holmer Primary School	Tudor Grange
Honeybourne Primary Academy	Tudor Grange Academy Redditch
Ipsley CE RSA Academy	University College Worcester
John Kyrle High & 6th Form	Valuation & Community Charge Tribunal
John Masefield High School & Sixth Academy	Walkwood Middle
Joint Museum Shared Services	Waseley Hills Academy
Kidderminster College of F E	Webheath Academy
King Charles Academy	West Mercia Police & Crime Commissioner
Kingfisher Academy	West Mercia Police Authority
Kingstone High School	Whitecross Hereford
Lady Hawkins Academy	Woodfield Academy
Lickhill Academy	Woodrush Academy
Llangrove Academy	Worcester City Council
Lugwardine Academy	Worcester College of Technology
Malvern Hills District Council	Worcester Sixth Form College
Malvern the Chase Academy	Worcestershire Hub
	Wychavon District Council
	Wyre Forest District Council

Community Bodies

Brightstripe - Cultural Health CIC	Malvern Hills Conservators
Bromsgrove District Housing Trust	Malvern Hills Outdoor Education Centre
Encore Enterprises	Sports Partnership Hfds & Worcs
Festival Housing Group (formerly Partnership Housing)	VESTIA Community Trust
FCC Environment Services (UK)	Worcester Community Housing
Hereford Community Leisure Trust	Wychavon Leisure Community Association
Herefordshire Housing Association	Wyre Forest Comm. Assoc.
Hoople LTD	

Transferee Bodies

4 children
 Action for Children
 Action for Children (Malvern Hills)
 Addaction
 Alliance in Partnership
 Alliance in Partnership AS
 Amey PLC
 Arete
 Aspens
 ATEGI
 Aztec Watersports
 Babcock Training Ltd
 Balfour Beatty (Living Places)
 Bespoke Cleaning Services
 Brandon Trust
 Bromsgrove PFI
 CAPITA (IBS Schools)
 Catshill & North Marlbrook Parish Council
 Civica - Ex Wychavon DC Tupe
 CIVICA - WCC Hub
 Cygnet Foods Ltd

Ewyas Harold Parich Council
 Field Studies Council
 Fortis Living
 Freedom Leisure
 Heart of Worcestershire College
 Herecad Enterprises Ltd
 Hewlett Packard ICT
 Jacobs UK Ltd
 Kemerton Parish Council
 Liberata
 Midland Heart
 National Youth Advocacy Service
 Place Partnership
 Redcliffe Catering Ltd
 Redditch & Bromsgrove NHS
 Ringway
 Shaw Homes Health Care
 The Rivers Multi Academy Trust
 Timberdine nursing
 Worcester Community Trust
 Wychavon Leisure (Bromsgrove)

Designated Bodies

Baxter College
 Belbroughton parish council
 Bewdley Woen Council
 Bredon Parish Council
 Broadway Parish Council
 Colwall Parish council
 Droitwich Town Council
 Evesham Town Council
 Hagley Parish Council
 Hereford City Parish Council
 Initial Facilities Service UK Ltd
 Integral UK Ltd
 Kempsey Parish Council

Kidderminster town council
 Ledbury Town Council
 Leominster Town Council
 Malvern Town Council
 Pershore Joint Burial Committee
 Pershore Town Council
 Rock Parish Council
 Ross-on-Wye Town Council
 Stourport Town Council
 Upton-on-Severn T C
 Wigmore High & Primary
 Wythall Parish Council

26. Critical Judgements in Applying Accounting Policies

The pension fund liability is calculated every three years by the appointed actuary. The methodology used is in line with accepted guidelines and in accordance with IAS 19. Assumptions underpinning the valuations are agreed with the actuary and are summarised in note 2. This estimate is subject to significant variances based on changes to the underlying assumptions.

27. Assumptions made about the future and any other major sources of estimation uncertainty

The preparation of financial statements requires management to make judgements, estimates and assumptions that affect the amounts reported for assets and liabilities at the year-end date and the amounts reported for the revenues and expenses during the year. Estimates and assumptions are made taking into account historical experience, current trends and other relevant factors. However, the nature of estimation means that the actual outcomes could differ from the assumptions and estimates.

The item in the notes to the accounts at 31 March 2017 for which there is a significant risk of material adjustment in the forthcoming financial year is as follows.

Item	Uncertainties	Effect if actual results differ from assumptions
Actuarial present value of promised retirement benefits (Note 2)	Estimation of the net liability to pay pensions depends on a number of complex judgements relating to the discount rate used, the rate at which salaries are projected to increase, changes in retirement ages, mortality rates and expected returns on pension fund assets. A firm of consulting actuaries is engaged to provide the fund with expert advice about the assumptions to be applied.	<p>The effects on the net pension liability of changes in individual assumptions can be measured. For instance:</p> <ul style="list-style-type: none"> • „ „ a 0.5% increase in the discount rate assumption would result in an 8% decrease in the pension liability, which is equivalent to £229m • „ „ a 0.25% increase in assumed earnings inflation would result in a 0.8% increase in the value of liabilities, which is equivalent to £23m • „ „ a one-year increase in assumed life expectancy would result in a 2% increase in the value of liabilities, which is equivalent to £69m.

5. Statement of Accounting Policies

This section provides a summary of the significant accounting policies and estimation techniques used in the preparation of Worcestershire County Council's Pension Fund accounts.

1. General

The statement of Accounts summarises the fund's transaction for the 2016/17 financial year and its position at year-end as at 31 March 2017. The accounts have been prepared in accordance with the Code of Practice on Local Accounting in the United Kingdom 2016/17 which is based upon International Financial Reporting Standards (IFRS), as amended for the UK public sector.

The accounts summarise the transactions of the fund and report on the net assets available to pay pension benefits. The accounts do not take into account of obligations to pay pensions and benefits which fall due after the end of the financial year.

2. Legislation

Where specific legislation regarding accounting treatment conflicts with the Council's own Accounting Policies, legislative requirements have been followed.

3. Contribution Income

Normal contributions, both from the members and from employers, are accounted for on an accruals basis at the percentage rate recommended by the fund actuary in the payroll period to which they relate.

Employer deficit funding contributions are accounted for on the due dates on which they are payable under the schedule of contributions set by the scheme actuary or on receipt if earlier than the due date.

Employers' augmentation contributions and pension strain contributions are accounted for in the period in which the liability arises. Any amount due in year but unpaid will be classed as a current financial asset. Amounts not due until future years are classed as long-term financial assets.

4. Transfers to and from other schemes

Transfer values represent the amounts received and paid during the year for members who have either joined or left the fund during the financial year and are calculated in accordance with The Local Government Pension Scheme Regulations.

Individual transfers in/out are accounted for when received/paid, which is normally when the member liability is accepted or discharged.

Bulk (group) transfers are accounted for on an accruals basis in accordance with the terms of the transfer agreement.

5. Investment Income

Income from equities (dividend income) is accounted for on the date stocks are quoted ex-dividend. Any amount not received by the end of the reporting period is disclosed in the net assets statement as a current financial asset.

Income from fixed interest, cash and short-term deposits is accounted for on an accruals basis, using the effective interest rate of the financial institution as at the date of acquisition or origination. Income includes the amortisation of any discount or premium, transaction costs (where material) or other differences between the initial carrying amount of the instrument and its amount at maturity calculated on an effective interest rate basis.

Income from other investments is accounted for on an accruals basis.

The changes in market value of investments during the year are recognised as income and comprise all increases and decreases in the market value of investments held at any time during the year, including profits and losses realised on sales of investments and unrealised changes in market value.

6. Benefits Payable

Pensions and lump-sum benefits payable include all amounts known to be due as at the end of the financial year. Any amounts due but unpaid are disclosed in the Net Assets Statement as current liabilities.

7. Taxation

The fund is a registered public service scheme under section (1) of schedule 36 of the Finance Act 2004 and as such is exempt from UK income tax on interest received and from capital gains tax on the proceeds of investments sold. Income from overseas investments suffers withholding tax in the country of origin, unless exemption is permitted. Irrecoverable tax is accounted for as a fund expense as it arises.

8. Management Expenses

The Local Government Pension Scheme (Management and Investment of Funds) Regulations 1998 permit costs incurred in connection with the investment and administration of the Fund to be charged against the Fund.

The Code of Practice does not require any breakdown of pension fund administrative expenses. However in the interests of greater transparency, the Council discloses its Pension Fund management expenses in accordance with CIPFA guidance *Accounting for Local Government Pension Scheme Management Costs*.

All oversight and governance expenses are accounted for on an accruals basis. All staff costs associated with governance and oversight are charged direct to the fund. Associated management, accommodation and other overheads are apportioned to this activity and charged as expenses to the fund.

Fixed Income and Equity Investment Managers' expenses are charged on a percentage basis of the market value of assets under management and therefore increase or reduce as the value of these investments change. Global Custodian fees are agreed in the respective mandate governing their appointment.

The cost of obtaining investment advice from the fund's independent financial adviser is included in investment management charges.

All investment management expenses are accounted for on an accruals basis.

9. Administrative Expenses

All administrative expenses are accounted for on an accruals basis. All staff costs of the pensions administration team are charged direct to the fund. Associated management, accommodation and other overheads are apportioned to this activity and charged as expenses to the fund.

10. Financial Assets

Financial assets are included in the Net Assets Statement on a fair value basis as at the reporting date. A financial asset is recognised in the Net Assets Statement on the date the fund becomes party to the contractual acquisition of the asset. From this date any gains or losses arising from changes in the fair value of asset are recognised in the Fund Account.

The values of investments as shown in the Net Assets Statement have been determined as follows:

i) Market-quoted investments The value of an investment for which there is a readily available market price is determined by the bid market price ruling on the final day of the accounting period.

ii) Fixed interest securities Fixed interest securities are recorded at net market value based on their current yields.
 iii) Unquoted investments The fair value of investments for which market quotations are not readily available is determined as follows:

- Valuations of delisted securities are based on the last sale price prior to delisting, or where subject to liquidation, the amount the council expects to receive on wind-up, less estimated realisation costs.
- Securities subject to takeover offer – the value of the consideration offered under the offer, less estimated realisation costs.
- Directly held investments include investments in limited partnerships, shares in unlisted companies, trusts and bonds. Other unquoted securities typically include pooled investments in property, infrastructure, debt securities and private equity. The valuation of these pools or directly held securities is undertaken by the investment manager or responsible entity and advised as a unit or security price. The valuation standards followed in these valuations adhere to industry guidelines or to standards set by the constituent documents of the pool or the management agreement.
- Investments in unquoted property and infrastructure pooled funds are valued at the net asset value or a single price advised by the fund manager.
- Investments in unquoted listed partnerships are valued based on the fund's share of the net assets in the limited partnership using the latest financial statements published by the respective fund managers in accordance with the *International Private Equity and Venture Capital Valuation Guidelines* 2012.

iv) Limited partnerships Fair value is based on the net asset value ascertained from periodic valuations provided by those controlling the partnership.

v) Pooled investment vehicles Pooled investment vehicles are valued at closing bid price if both bid and offer prices are published; or if single priced, at the closing single price. In the case of pooled investment vehicles that are accumulation funds, change in market value also includes income which is reinvested in the fund, net of applicable withholding tax.

11. Foreign Currency transactions

Dividends, interest and purchases and sales of investments in foreign currencies have been accounted for at the spot market rates at the date of transaction. End-of-year spot market exchange rates are used to value cash balances held in foreign currency bank accounts, market values of overseas investments and purchases and sales outstanding at the end of the reporting period.

12. Derivatives

The fund uses derivative financial instruments to manage its exposure to specific risks arising from its investment activities. The fund does not hold derivatives for speculative purposes.

The value of futures contracts is determined using exchange prices at the reporting date. Amounts due from or owed to the broker are the amounts outstanding in respect of the initial margin and variation margin.

The future value of forward currency contracts is based on market forward exchange rates at the year-end date and determined as the gain or loss that would arise if the outstanding contract were matched at the year-end with an equal and opposite contract.

13. Cash and cash equivalents

Cash comprises demand deposits and cash equivalents, these include amounts held by the fund's external managers. Cash equivalents are short-term, highly liquid investments that are readily convertible to known amounts of cash and that are subject to minimal risk of changes in value.

14. Financial liabilities

The fund recognises financial liabilities at fair value as at the reporting date. A financial liability is recognised in the Net Assets Statement on the date the fund becomes party to the liability. From this date any gains or losses arising from changes in the fair value or amortised cost of the liability are recognised by the fund.

15. Actuarial present value of promised retirement benefits

The actuarial present value of promised retirement benefits is assessed on a triennial basis by the scheme actuary in accordance with the requirements of IAS19 and the relevant actuarial standards.

As permitted under the code, the fund has opted to disclose the actuarial present value of promised retirement benefits by way of a note to the Net Assets Statement (Note 2).

16. Contingent Assets

A contingent asset arises where an event has taken place that gives the Pension Fund a possible asset whose existence will only be confirmed by the occurrence or otherwise of uncertain future events not wholly within the control of the Pension Fund.

Contingent assets are not recognised in the financial statements, but are disclosed in note 22 to the accounts.

17. Additional voluntary contributions

The Worcestershire County Council Pension Fund provides an Additional Voluntary Contributions (AVC) scheme for its members. In 2016/17 some members of the pension scheme paid voluntary contributions and transfers to Scottish Widows and Equitable Life to buy extra pension benefits when they retire. Retirement benefits were also purchased during the year. The contributions are paid directly from scheme employers to the AVC provider. Each AVC contributor receives an annual statement showing the amount held in their account and the movements in the year.

AVCs are not included in the accounts in accordance with section 4(2)(b) of the Local Government Pension Scheme (Management and Investment of Funds) Regulations 2009 (SI 2009/3093) but are disclosed as a note only (note 23).