

Welcome and Introduction

Maria Antoniou Chair of Trustees

Housekeeping

- Fire alarm and exit
- Toilets
- Mobile phones/Smartphones
- Breaks
- Refreshments









Agenda

Time	Topic	Owner
11.00	Welcome and Introduction	Maria Antoniou (Chair of Trustees)
11.10	Review of the Year	Stephen Field (Fund Secretary)
11.20	Actuarial Update over the last 12 months	Gareth Oxtoby (Towers Watson)
11.40	Investment Review of last 12 months and future outlook	Ed Francis (Towers Watson)
12.00	Legal Outlook	Ian Pittaway (Sackers & Partners)
12.15	Open Forum – Questions & Answers	Maria Antoniou (Chair of Trustees)
12.45	Refreshments and Informal Discussions	All
13.15	Close	All

Stephen Field Fund Secretary

Agenda

Item	Topic
1	Financial Report
2	Investment Report
3	Trustee Changes
4	Changes to Fund Rules
5	 Fund Office Activities: Membership Workload Statistics Pension Increase 2013 Equitable Life Payment Scheme Website Exhibitors

Financial Report



Net movement in the Fund

Topic	2012/13 £m	2011/12 £m
Value of Fund at 31 March	6,027.0	5,699.0
Income	390.3	396.6
Expenditure	(299.4)	(287.1)
Change in market value of investments	751.8	218.5
Value of Fund at 31 March	6,869.7	6,027.0

Money into the Fund

Topic	2012/13 £m	2011/12 £m
Employers' contributions	266.1	264.0
Investment income	76.8	85.2
Members' contributions	47.0	45.2
Transfers in from other schemes	0.4	2.2
Total Income	390.3	396.6

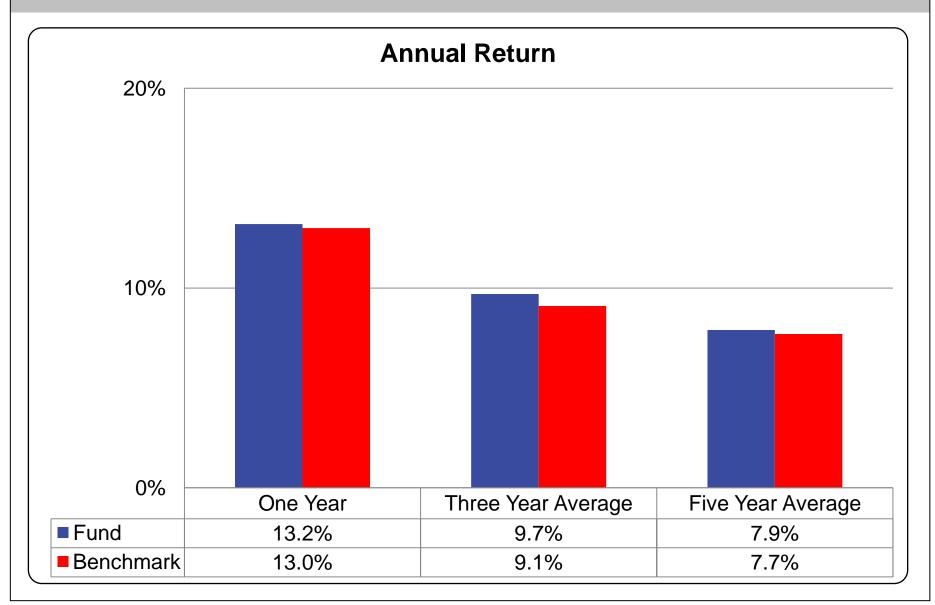
Money out of the Fund

Topic	2012/13 £m	2011/12 £m
Pensions and other benefits paid	274.7	263.9
Investment management expenses	11.8	9.5
Administration expenses	3.9	3.6
Payments in respect of leavers	2.8	2.7
Pension levies	1.6	2.9
Insurance Premiums	4.6	4.5
Total Outgoings	299.4	287.1

Investment Report



Investment Review to March 2013

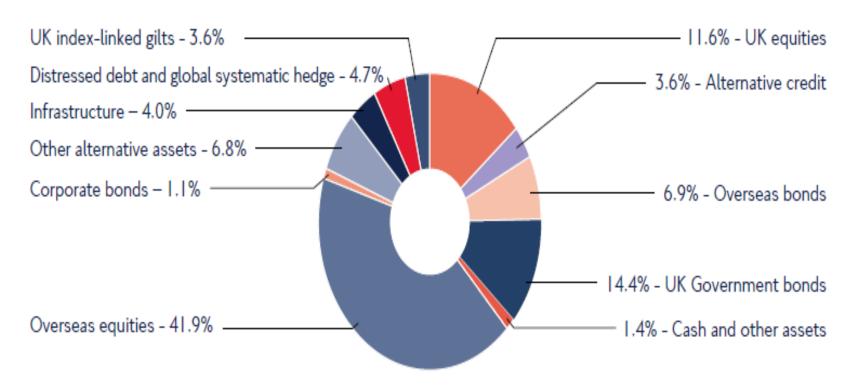


How the value of the Fund has changed

Year ended 31 March	Value	Change
2013	£6,869.7m	
2012	£6,027.0m	
2011	£5,699.0m	1
2010	£5,097.8m	1
2009	£3,829.0m	-
2008	£4,681.6m	
2007	£4,660.9m	

The Fund's assets as at 31 March 2013

The Fund is held in a range of different investments (assets) in the UK and overseas.



Trustee Changes

During Fund Year ended 31 March 2013

Left Trustee Board	Joined Trustee Board
Steve Grant	Graham Dean
	Joined on 12 June 2012
Stophon Critobley	Andrew Pollins
Stephen Critchley	Joined on 25 September 2012
Pat Sikorski	Stephen Hedley
Fat Sikurski	Joined on 25 September 2012

Subsequent to year ended 31 March 2013

Left Trustee Board	Joined Trustee Board
Howard Collins	Angela Back
Howard Collins	Joined on 13 June 2013
Stuart Munro	Emanuela Cernoia
Stuart Murito	Joined on 23 September 2013
Clare Kavanagh	To be appointed

Changes to Fund Rules

New legal obligations to automatically enrol employees into a qualifying pension scheme or offer the opportunity to join came into effect, as a result the following changes have been made:

- Extended lower age for joining to 16 and upper age to 75 to comply with these obligations
- Safeguarded those who have previously opted out to preserve their tax position by using "fixed" or "enhanced" protection, so they will not inadvertently lose this protection if automatically re-enrolled
- Provision also made for contribution arrangements following introduction of legal rights to additional paternity leave
- Where a member pays an annual allowance tax charge, in certain circumstances this can be paid by the pension scheme with the cost being deducted from their pension benefits. The rules have been amended to reflect this new legal requirement.

Fund Office Activities



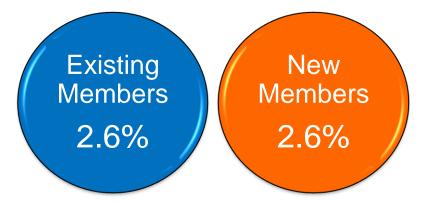
Membership of the Fund

Topic	As at 31 March 2013	As at 31 March 2012
Contributing members	23,012	22,680
Deferred pensioners	17,812	18,292
Pensioners	31,228	31,111
Dependants and children	10,720	10,787
Total	82,772	82,870

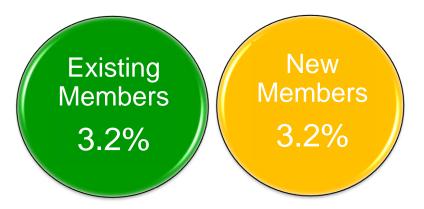
Pension Increase 2013

Under the Rules of the Fund the April pension increase is calculated by reference to the change in the Retail Prices Index (RPI) over the period September to September.

The increase for 2013 was:



The increase for 2014 will be:



The increase for 2014 as measured by the increase in RPI over the reference period was announced on 15 October 2013.

Details will as usual be published on Pension Fund website and in OTM (Pensioner edition).

Equitable Life Payment Scheme

National Savings & investments is administering the Scheme on behalf of HM Treasury. Atos has been engaged to trace eligible scheme members.

In April 2013, for those current and former members identified by Atos as being eligible for compensation payments, address details were provided by the Fund Office.

An update was received from Atos in June which provided the following information:

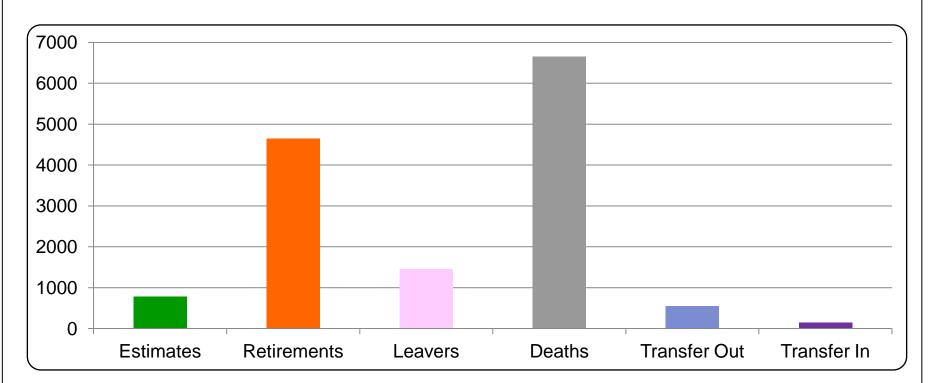
Of 2,168 members due compensation:

- 27 members paid
- 1,778 members queued for payment (to be paid)
- 45 members queued for address checking
- 318 members with address check, death claim and other issues that are being followed up

Workload Statistics

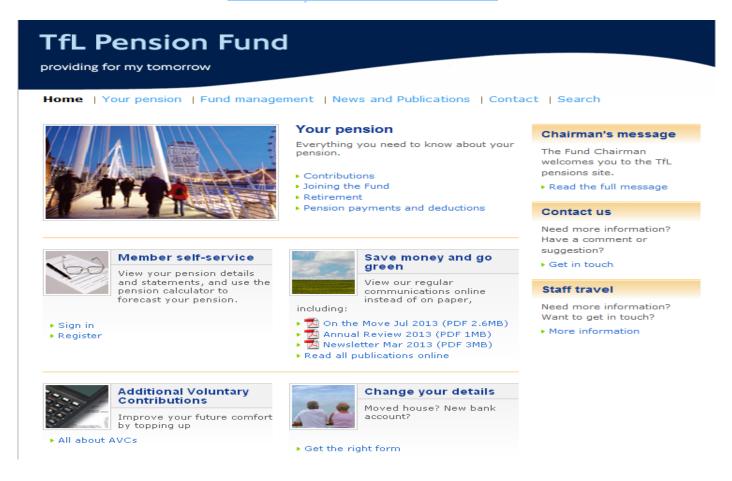
This has been yet again a busy year for the Fund Office with workload over the period to 30 June 2013 being:-

- Over 40,900 pieces of correspondence completed
- SLA achieved in 99.99% of cases



Website

If you have access to the internet, you can find out more or download Fund documents at our website www.tflpensionfund.co.uk



Member self-service

Allows members to view information held by the Fund Office.

Active and Deferred Members can:

- Run pension forecasts
- Look at benefit statements

Pensioners can:

- View payslips
- View P60s

Deferred and Pension Members can update their address details; so far over 9,200 members have registered.

In the year to 30 June 2013:

- over 26,300 retirement quotations produced
- over 5,000 pensioner payslips viewed
- over 1,400 pensioner P60s viewed
- over 6,500 benefit statements viewed



Member self-service

View your pension details and statements, and use the pension calculator to forecast your pension.

Sign in Registe

Other

Pensioner guides

These are available from the website to existing pensioners and on written request a hard copy can be issued.

E-Comms

Members can register via the website to cease receiving certain pension publications by post and instead view them online.

Published in the last 12 months (1 of 4):

- Annual Review issued to all members
- Pensionews issued to all members
- Annual Report & Accounts available online

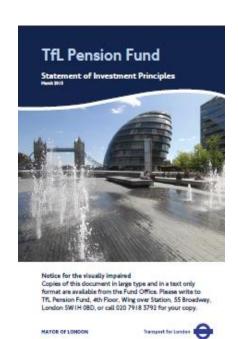






Published in the last 12 months (2 of 4):

- Statement of Investment Principles available online
- Guide for New Members issued to all new starters
- Pensioner Guide issued to all new pensioners



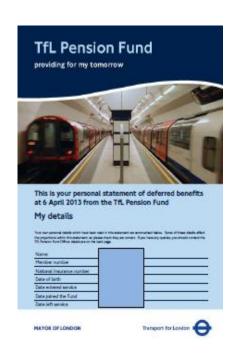


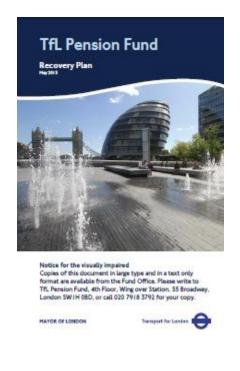


Published in the last 12 months (3 of 4):

- Active Member Benefit Statement issued to all Active Members
- Deferred Benefit Statement issued to deferred members
- Recovery Plan available online







Published the in last 12 months (4 of 4):

- Statement of Funding Principles available online
- Schedule of Contributions available online





Exhibitors

- TfL Pension Liaison Scheme
- TfL Pensions Consultative Council (PCC)
- The Fund Office
- LT Museum Friends
- National Federation of Occupational Pensioners
- The Pension Service (DWP)
- Transport Benevolent Fund
- Transport Friendly Society



Gareth Oxtoby

22 October 2013



Agenda

- Background developments in the UK pension scheme market
- The 2012 actuarial valuation of the Fund
 - What we did
 - The results
 - The outcome
- Financial progress of the Fund since March 2012

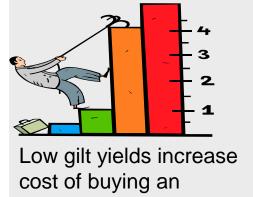


Developments in the wider UK pensions market The problems with pension provision are...





Life expectancy increasing but savings rate reducing





Uncertain and volatile investment returns.



Increased regulation (and costs)



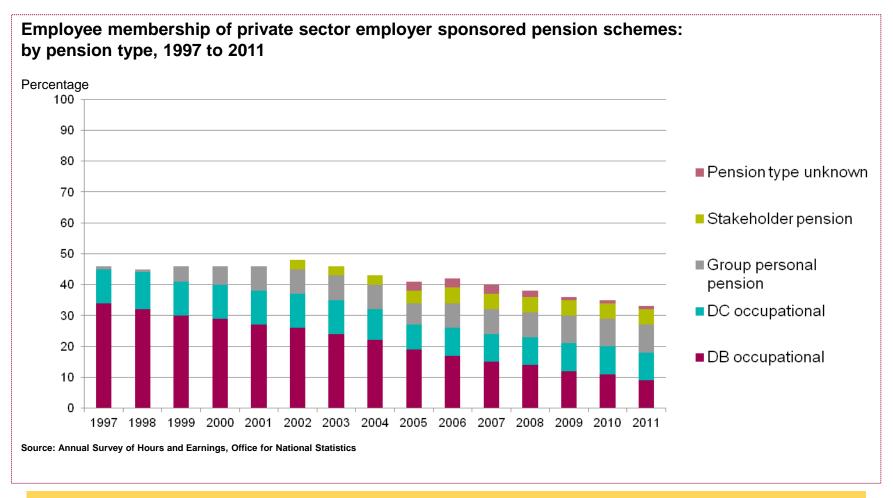
Shift to DC passes all risks to members but members lack understanding



Employer closing DB schemes to current members and new joiners.

annuity.

Developments in the wider UK pensions market Private sector DB pension provision is reducing...



"At the current pace of change, all FTSE100 DB schemes currently open to accrual will be closed in the next decade" [Towers Watson FTSE100 DC survey July 2013]

Developments in the wider UK pensions market



In spite of developments elsewhere, TfL continues to offer membership of a defined benefit arrangement

...albeit under financial pressure

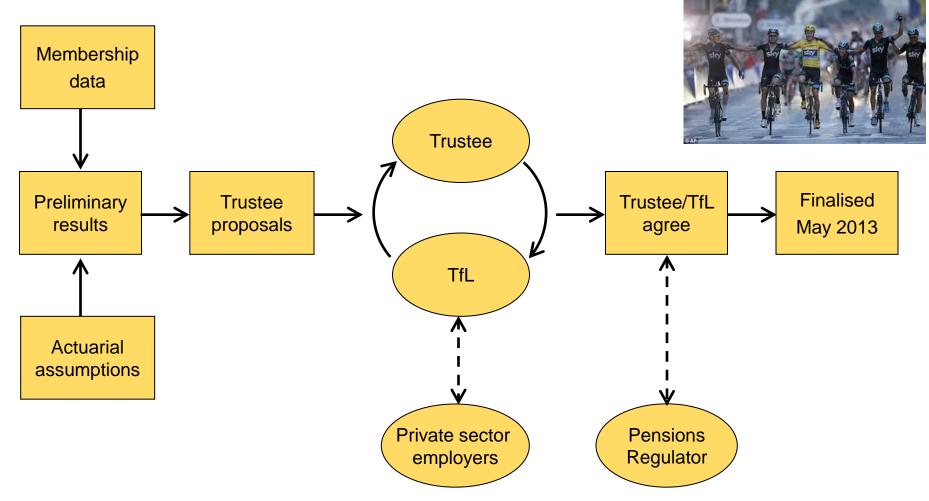
"Transport chiefs came under pressure today to reduce the cost of Transport for London's 'gold-plated' pension scheme"

[London Evening Standard, May 2013]

"Transport for London's grant cut by £220m in 2015-16" [Financial Times, June 2013]



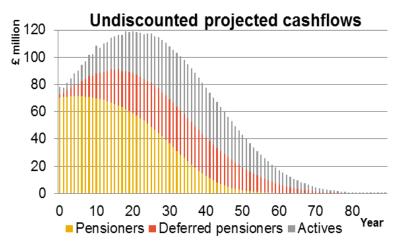
The 2012 actuarial valuation of the Fund What was the valuation process?

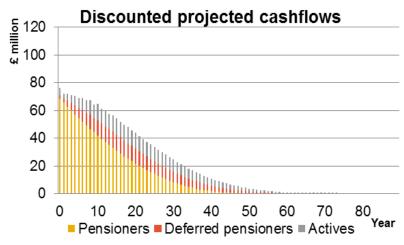


How do we value the Fund's liabilities?

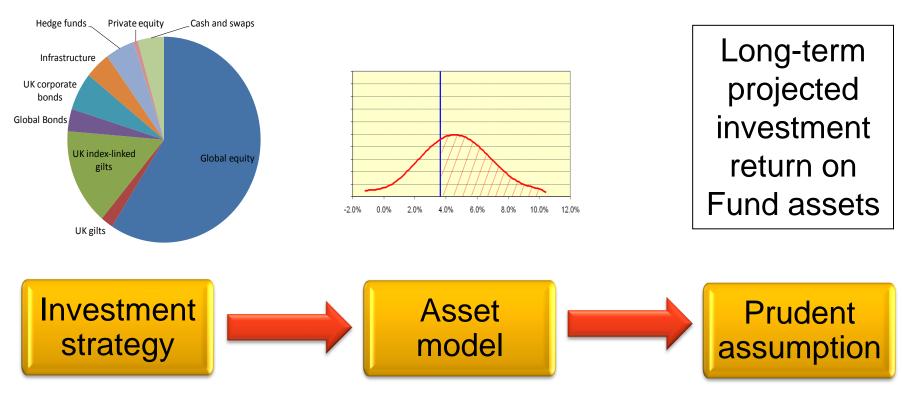
"At the valuation date, what amount of assets would be needed so that accrued benefits can be paid as they fall due?"

- Project future payments from the Scheme (the 'projected liability cashflows')
 - build a model of the Fund's demographic and financial future
- Discount the projected liability cashflows to a present value at the valuation date
 - For example, if the Fund's investments are assumed to return 5% pa then £100m due to be paid in 10 years' time has a present value at the valuation date of £61m
- Add up all of the discounted cashflow values to calculate the total accrued liabilities, to compare with the value of the Fund assets





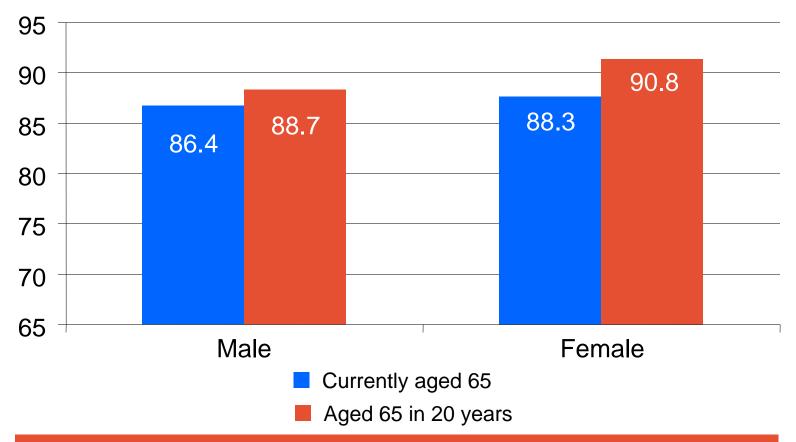
How to value the liabilities? Key assumption: Investment return ("discount rate")



	Assumed investment strategy	Discount rate above RPI
2009	63% equities and alternatives, 37% bonds	3.6% pa
2012	72% equities and alternatives, 28% bonds	2.9% pa

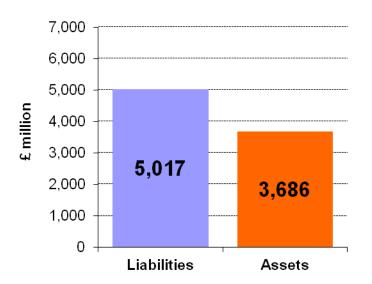
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How to value the liabilities? Key assumption: life expectancy (normal health pensioners)



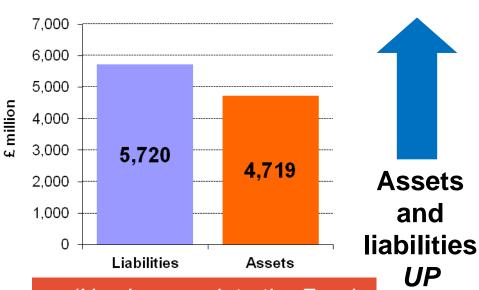
- Assumed life expectancies for members currently aged 65 are almost a year higher than at the previous valuation
- Assumed improvements in life expectancy also higher than at previous valuation – more than 1 year every decade

31 March 2009



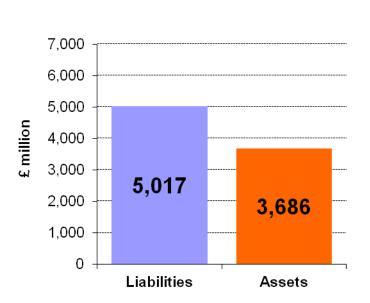
The previous 2009
 valuation (post-merger
 of BVC and SSL
 sections) showed a
 deficit of £1,331m

31 March 2012



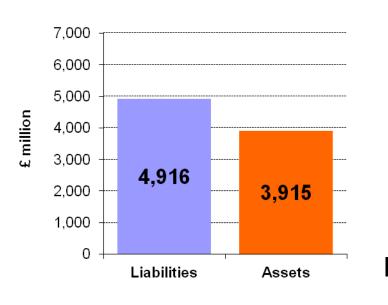
- 'New' money into the Fund over period = + £1,033 million
- Cost of new accrual and transfers in = + £703 million





31 March 2009



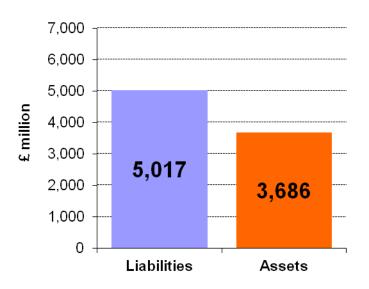




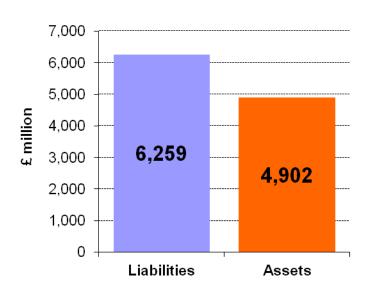
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Benefit payments: £804 million

31 March 2009



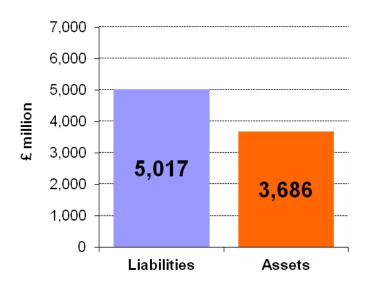
31 March 2012



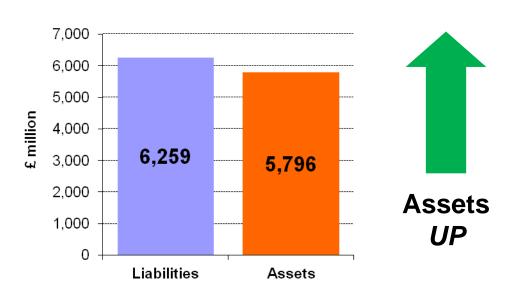


- Interest on liabilities (at 2009 discount rate): + £1,343 million
- Expected 2009 investment return: + £987 million



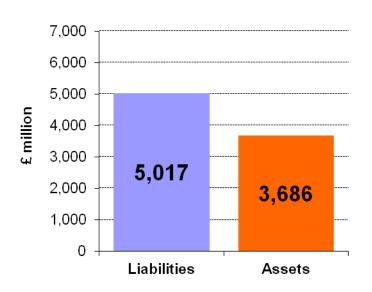


31 March 2012

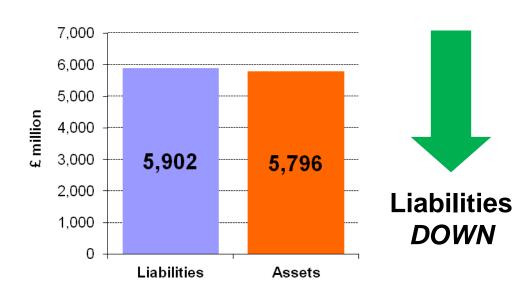


Asset outperformance: + £894 million

31 March 2009

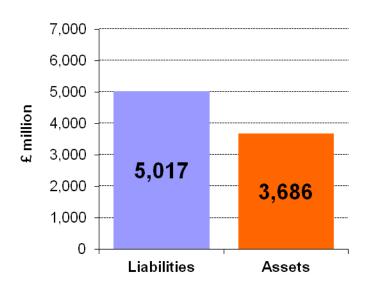


31 March 2012

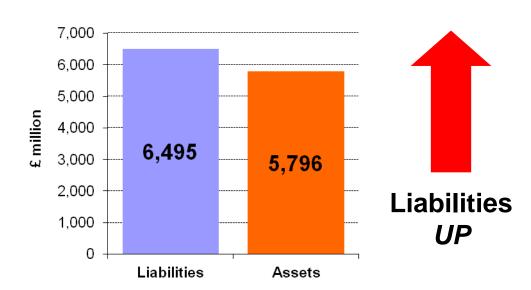


Impact of actual Fund membership experience differing from 2009 assumptions over valuation period: - £357 million

31 March 2009



31 March 2012



Impact on liabilities of changes to financial and statistical assumptions:
+ £593 million

Results - Funding position as at 31 March 2012 Summary

- Funding position significantly improved compared with 2009
 - Funding deficit reduced from £1.3bn to £0.7bn
 - Funding level increased from 73% to 89%.



 Cost of future accrual increased from 23.05% of pensionable salaries to 25.40% of pensionable salaries (of which employees pay 5% and TfL pays the balance)

Good asset performance and additional contributions paid by TfL since 2009 improved the position in respect of accrued benefits, despite the reduction in expected future investment returns and increased longevity – but this does not help with the cost of future accrual, which has increased.

2012 valuation outcome Contributions to be paid by TfL (Public Sector Section)

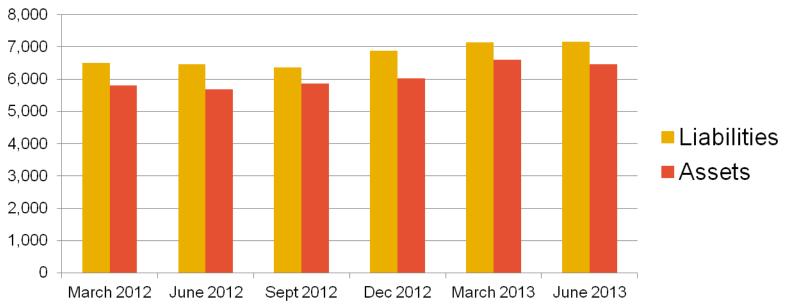
Trustee and TfL agreed the following contribution rates would be paid:

TfL contributions	2009 valuation agreement	2012 valuation agreement
To meet cost of regular accrual	TfL: 18.05% of pensionable salaries	TfL: 20.40% of pensionable salaries
	Employees: 5% of pensionable salaries	Employees: 5% of pensionable salaries
Deficit contributions linked to salary	12.95% of pensionable salaries payable 1/4/2010 to 31/3/2020	10.60% of pensionable salaries payable 1/4/2013 to 31/3/2020
Additional lump sum payments	Three payments of £107.4million, indexed with RPI, payable no later than 31/3/2018, 31/3/2019 and 31/3/2020 respectively	One payment of £37.8million, indexed with RPI, payable no later than 31/3/2018

Overall TFL rate remains at 31%

Maintains 2009 target of 100% funding by 31 March 2020

Progress since Spring 2012







Limitations

- Towers Watson has prepared this presentation for the Trustee of the TfL Pension Fund as an update from the Actuary to be presented at the Annual Members' Meeting on 22 October 2013.
- It was not prepared for any other use or for use by any other party and may well not address their needs, concerns, or objectives. It is not intended to form a basis for any decisions to do or omit to do anything.
- This presentation is provided to the Trustee solely for its use, for the specific purpose indicated. This presentation is based on information available to Towers Watson at the date of the presentation and takes no account of subsequent developments after that date. It may not be modified or provided to any other party without Towers Watson's prior written permission. It may also not be disclosed to any other party without Towers Watson's prior written permission except as may be required by law. In the absence of our express written permission to the contrary, Towers Watson accepts no responsibility for any consequences arising from any third party relying on this presentation or the opinions we have expressed. This presentation is not intended by Towers Watson to form a basis for any decision by a third party to do or omit to do anything.
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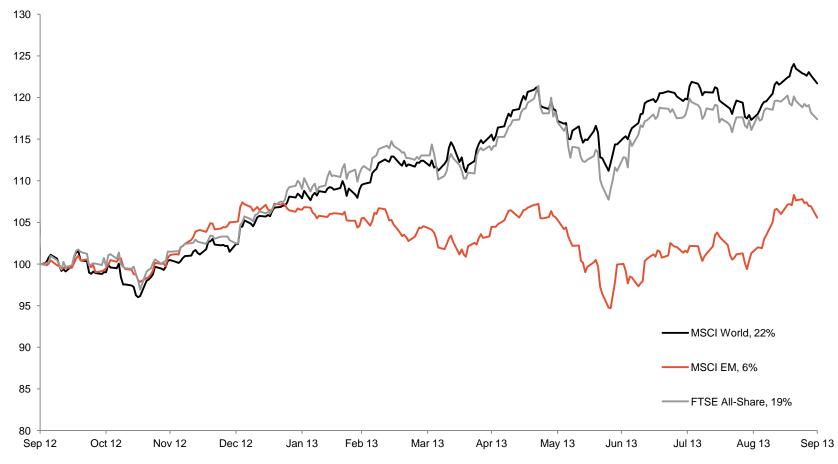


Ed Francis

22 October 2013



What has happened to equity markets this year? 30 September 2012 – 30 September 2013



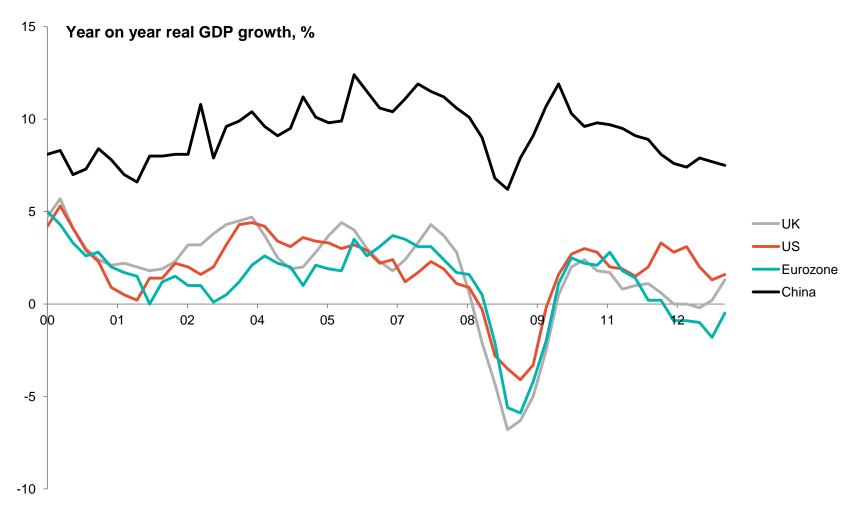
Returns are shown in local currency

Source: Bloomberg

What has happened to long gilt yields this year? Over 25-year nominal gilt yields, 30 September 2012 – 30 September 2013



Growth rates have picked up in the developed world



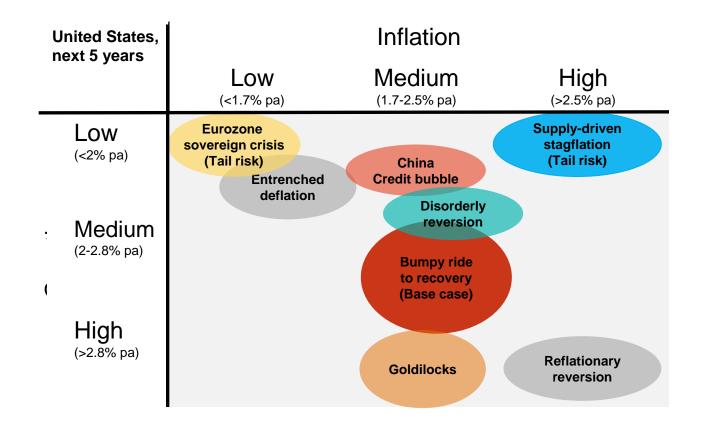
Source: Bloomberg, Towers Watson

US Federal Reserve alludes to tapering of Quantitative Easing

- Progress has been made in reducing debts relative to incomes
- This is especially true in the US, although there is still significant further deleveraging required in the Eurozone
- The US Federal Reserve is now looking for an appropriate way and time to start tightening policy
- Interest rates for the major central banks remain at historically low levels
- Accommodative monetary policy in conjunction with improving economic data has continued to support equity prices
- Long maturity government bond yields have fallen across most major markets meaning liability have also fallen

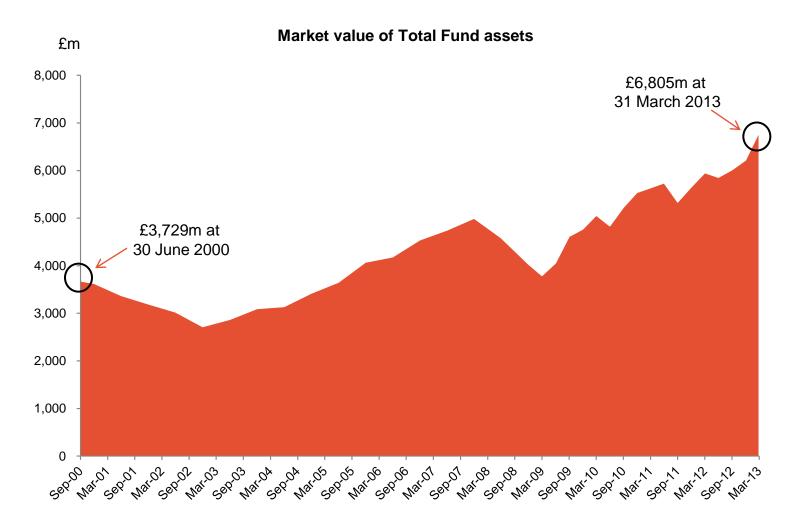
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Towers Watson's economic view of the world (economic scenarios)



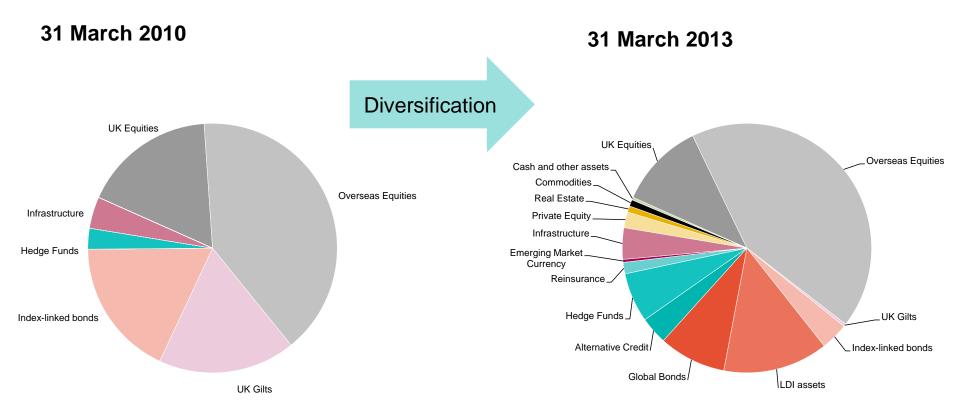
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Growth in assets



Source: BNY Mellon, JP Morgan

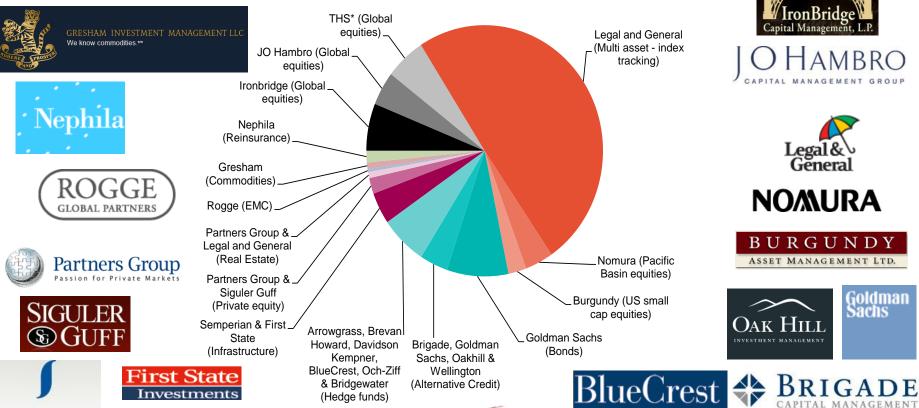
How does the Fund allocate its assets?



Current allocation reflects:

- Long term perspective on asset classes
- Limited appetite to purchase very low yielding investments
- Desire to diversify away from simple equities and bonds

How is the Fund invested?





















(Hedge funds)







BREVAN HOWARD

Asset allocation as at 31 March 2013.

* THS was replaced by Pzena after 31 March 2013.

What changes have been made?

- As part of a long term goal to increase the allocation to 'alternative' assets, the Fund has made new investments in the following portfolios and has restructured the mandate with BlueCrest:
 - Arrowgrass Hedge Fund
 - Brevan Howard Hedge Fund
 - Och-Ziff Hedge Fund
 - Gresham Commodities













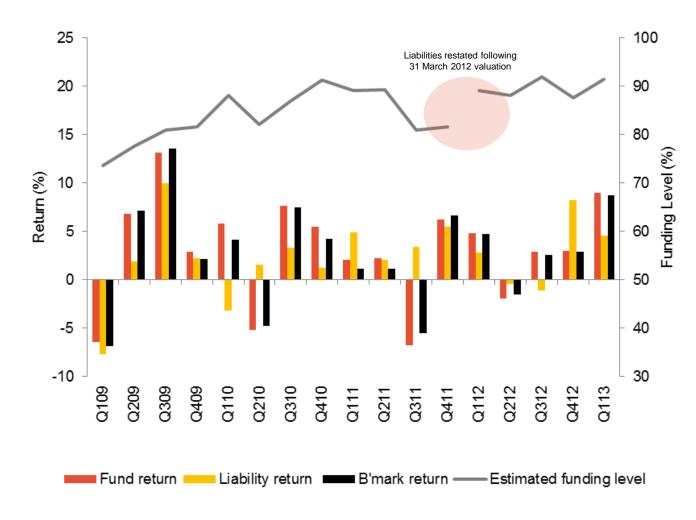




- As part of the restructure of the bond portfolio, the Fund has made the following new investments:
 - Brigade Alternative Credit
 - Oak Hill Alternative Credit
 - Wellington Alternative Credit
- Within the equity portfolio, THS has recently been replaced with Pzena



Recent Fund performance



Over the 12 months to 31 March 2013, the Fund outperformed its liabilities by 1.6% and its benchmark by 0.1%.

Source: BNY Mellon, Scheme Actuary

Recent manager performance

Periods to 30 June 2013

Managar	12 months (%)		3 years (% pa)		S.I. to 30 June 2013 (% pa)				
Manager	Fund	B'mark	+/-	Fund	B'mark	+/-	Fund	B'mark	+/-
IronBridge	22.7	22.6	0.1	13.5	13.2	0.3	12.0	11.5	0.5
JO Hambro	29.1	20.5	8.6	16.3	11.8	4.5	16.1	10.8	5.3
Burgundy	30.6	28.4	2.2	-	-	-	21.2	16.8	4.4
Nomura	17.4	18.1	-0.7	7.8	7.6	0.2	9.3	9.3	0.6
L&G Passive equity and bonds	19.2	-	-	12.3	-	-	7.7	-	-
GSAM: Global Sovereign	3.3	3.1	0.2	-	-	-	3.3	3.1	0.2
GSAM: Global Corporates	4.7	3.6	1.1	-	-	-	4.7	3.6	1.1
GSAM: Asset backed	28.9	0.6	28.3	-	-	-	28.9	0.6	28.3
Nephila	13.7	6.8	6.9	-	-	-	10.7	7.1	3.6
Hedge Fund Portfolio	6.7	3.7	4.0	-	-	-	-	-	-
L&G: REITS	18.4	17.8	0.6	-	-	-	20.4	19.6	0.8
L&G: Network Rail	1.3	-	-	9.1	-	-	9.5	-	-
L&G: LDI	5.5	-	-	7.6	-	-	7.5	-	-

Source: JPMorgan, BNY Mellon, Towers Watson

All figures are net of management fees and annualised.

There are no benchmarks for the L&G passive equity and bond or liability driven investment portfolios.

No performance is shown for managers that have been funded for less than a year.

Limitations

- The content of these slides has been prepared for the Trustee of the TfL Pension Fund in accordance with an engagement letter addressed to the Trustee dated 22 August 2002 (as amended) and our general terms and conditions of business.
- These slides are provided to the Trustee to form an update from the Investment Consultant to be presented at the Annual Members' Meeting on 22 October 2013.
- They may not be suitable for use in any other context or for any other purpose and we
 accept no responsibility for any such use whether by the Trustee or by any other party.
- In preparing this report we have relied upon data supplied to us by third parties. While
 reasonable care has been taken to gauge the reliability of this data, this report carries no
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Transport for London Pension Fund

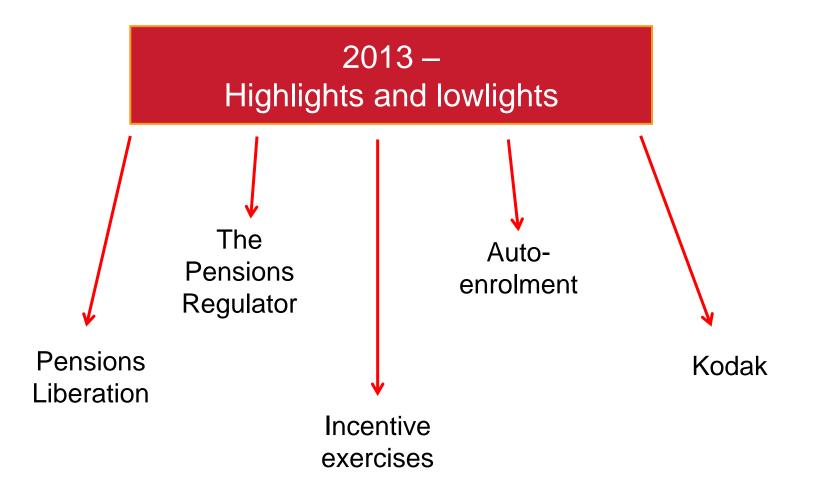
Legal Outlook - 2013

Ian Pittaway

22 October 2013



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Pensions
largely free of
fraud

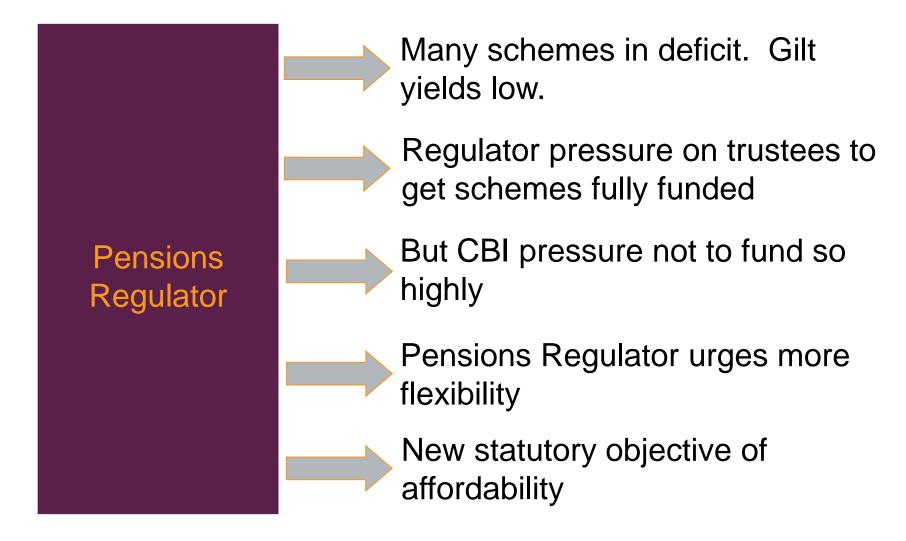
How does it work? (They forget to mention the charges / tax!)

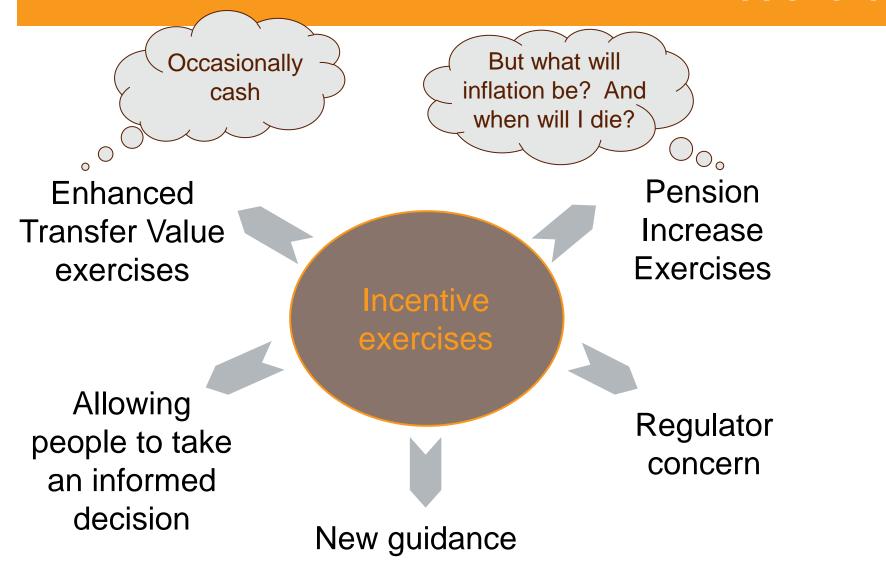
Arrive the pensions liberators

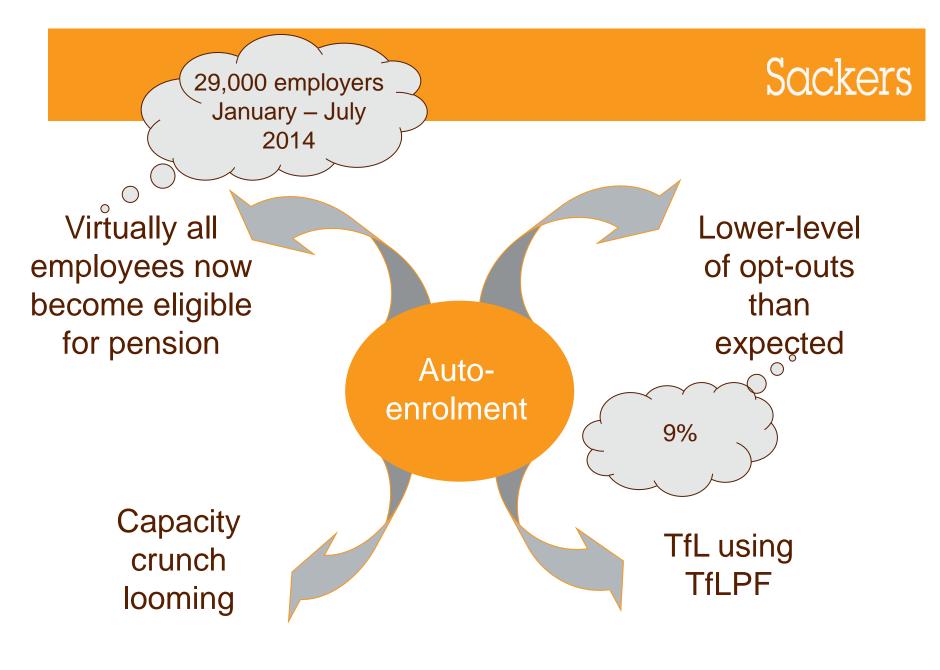
Regulators
putting onus on
trustees
to block

But members have statutory right

And dead easy to register a new scheme







KODAK









Chapter II Bankruptcy

Pension
Scheme
biggest
worldwide
creditor - \$1.8bn

Agreed to purchase two businesses for £210m

Pension scheme now running two global businesses





Pensions never stands still

More change to come – flat rate pensions

Conclusion

Trustees have to navigate changes

TfLPF – strong, well-governed plan

Open Forum – Q&A





Refreshments and Informal Discussions





Close

Thank you & See you next year