

### **Agenda**

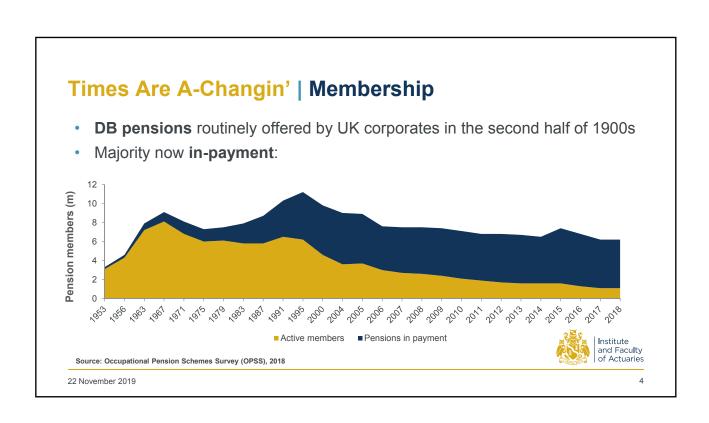
- Opportunity knocks: de-risking market overview
- Taking the strain: capital consumption in BPA
- Growing pains: balance sheet projection
- Investing in BPA: why invest in BPA?
- Conclusions

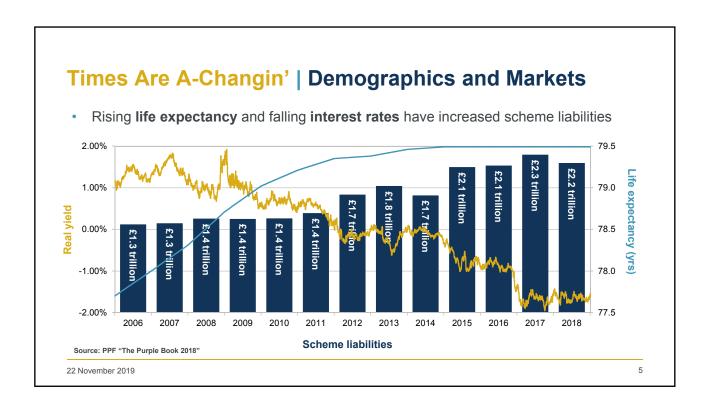


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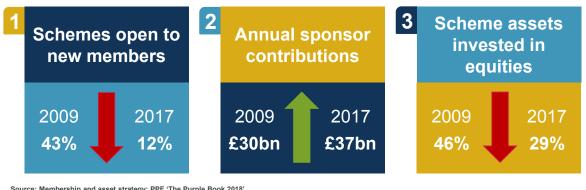






### Times Are A-Changin' | Trustees and Sponsors

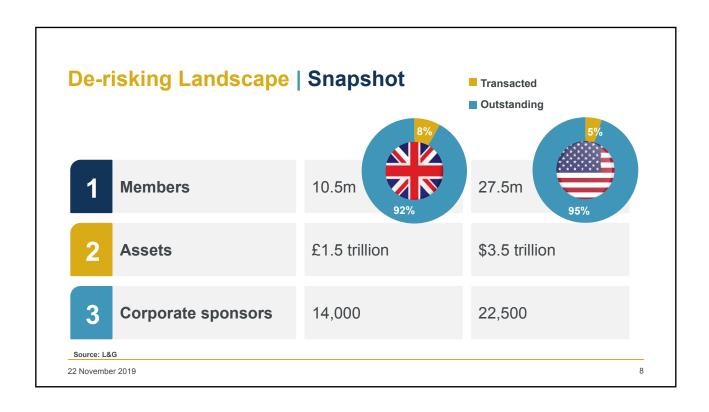
 Trustees and sponsors have responded by closing schemes, increasing contributions and undertaking de-risking asset strategies

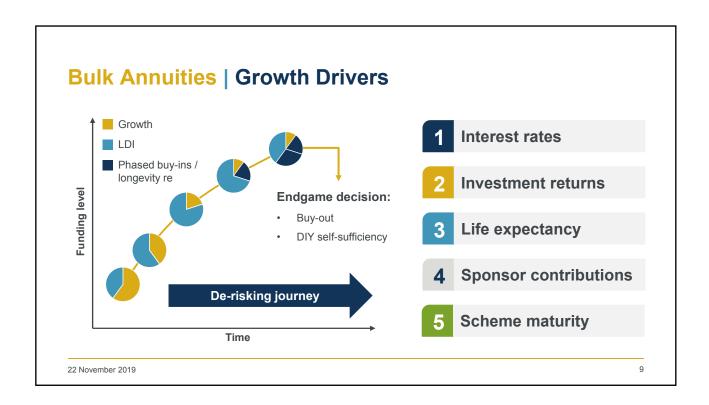


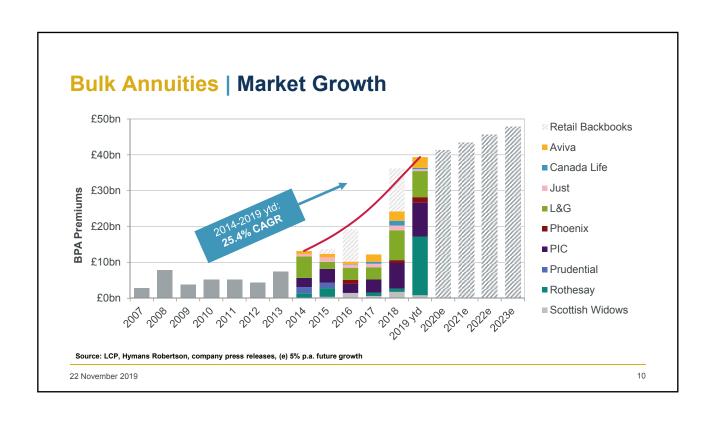
Source: Membership and asset strategy: PPF 'The Purple Book 2018'
Sponsor contributions: ONS 'MQ5: Investment by insurance companies, pension funds and trusts: October to December 2018'

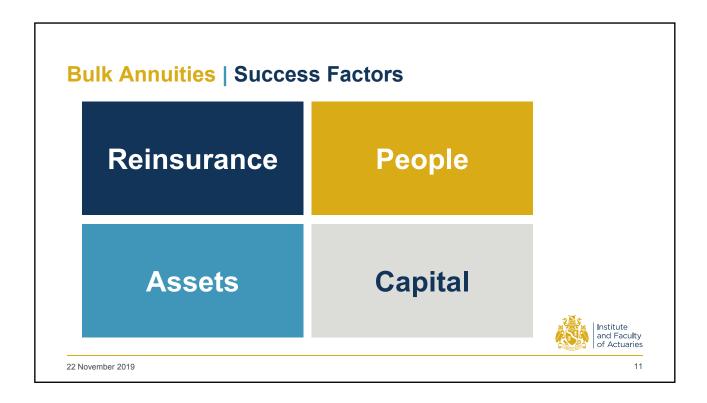
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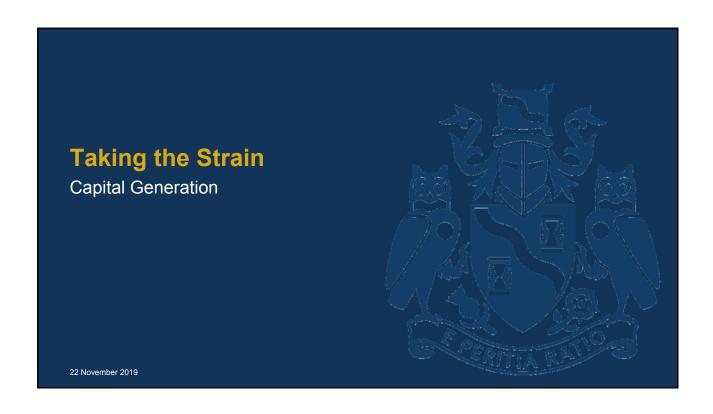
# Pension Scheme Endgame | Why Insurance? Pension Scheme Endgame | Why Insurance? Different valuation bases Pestrictions Investment opportunities Administration Expertise Administration Expertise

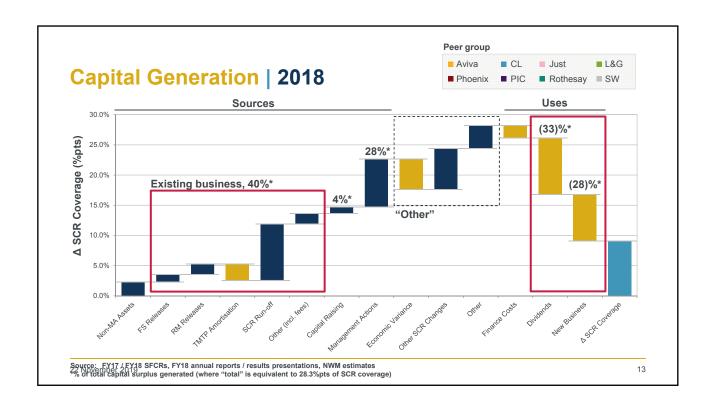


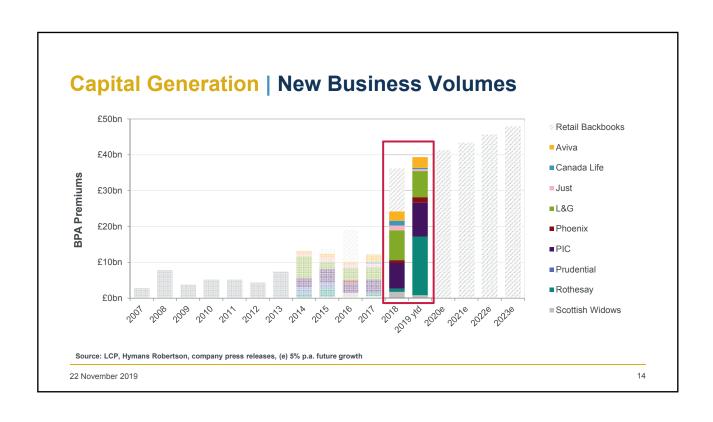


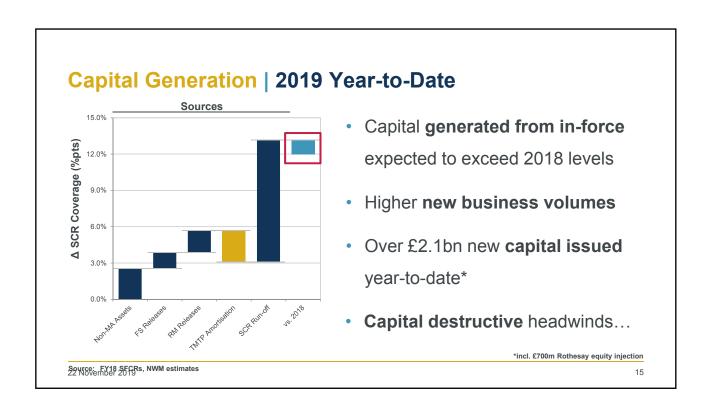


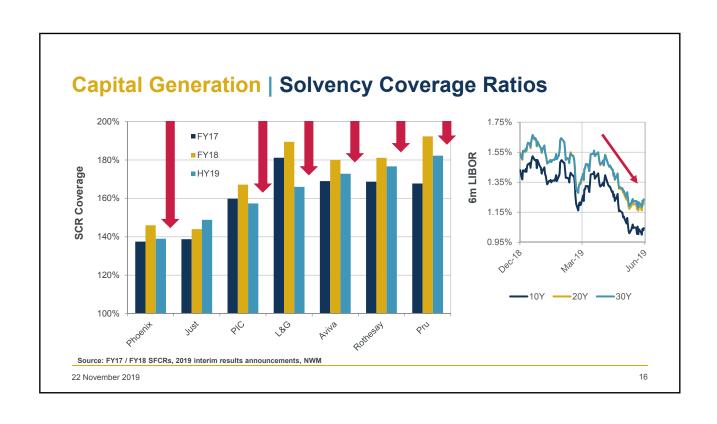












Institute and Faculty of Actuaries

### **Capital Generation | Future Projection**

### Question:

Over a five year horizon and for:

- a specific pattern of future new business, and
- a target SCR coverage ratio

how much capital must be **generated** (or injected) to support the **dividend policy**?

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### **Balance Sheet Projection | Model**

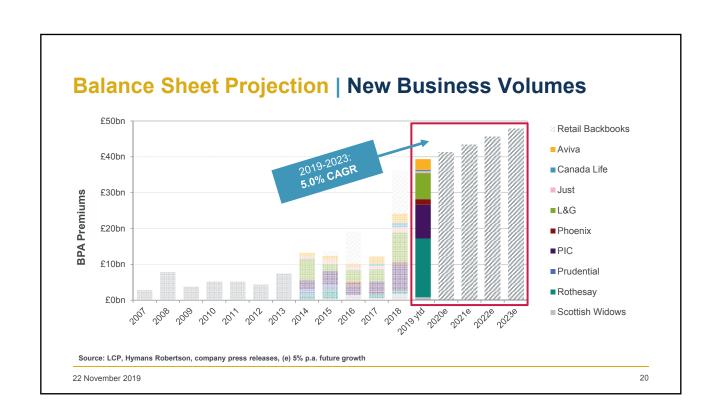
### Projected:

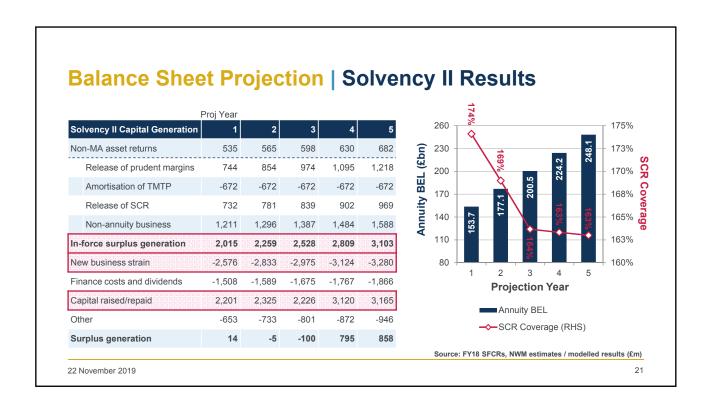
- New business premiums
- Organic capital generation
- IFRS profit
- Capital structure

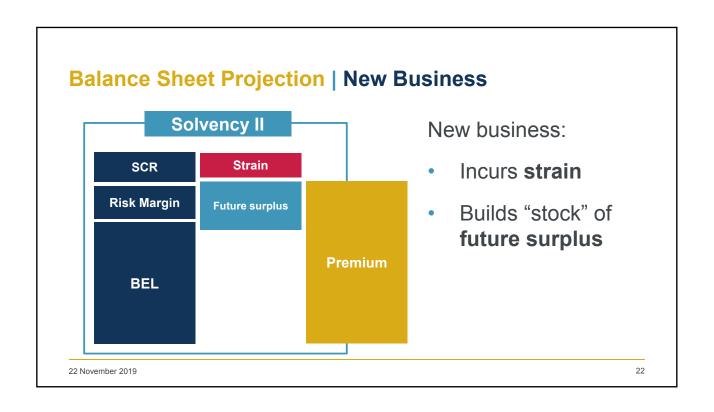
Modelled coverage:
76%
of BPA market (by 2018 new business premiums)

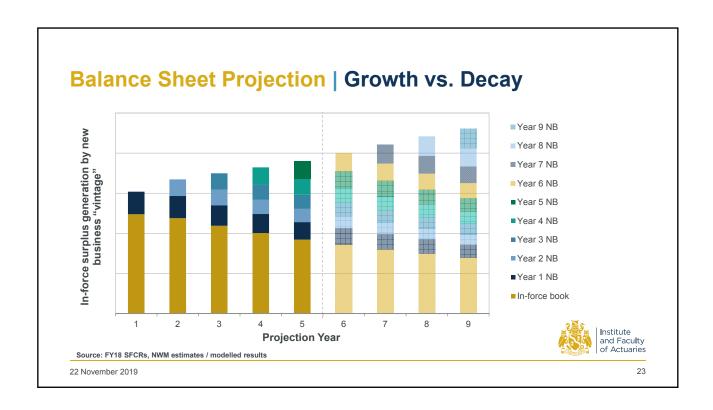


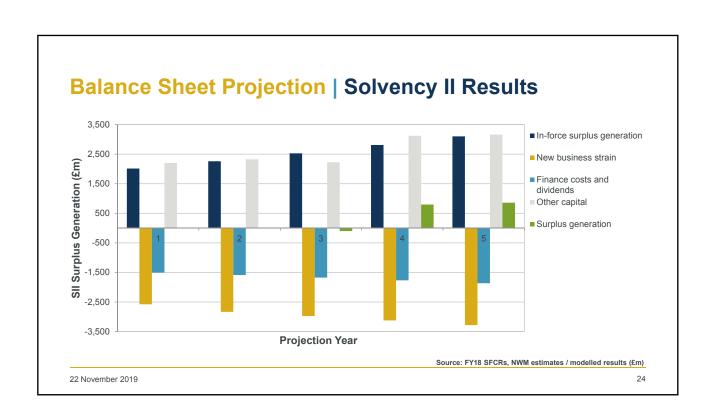
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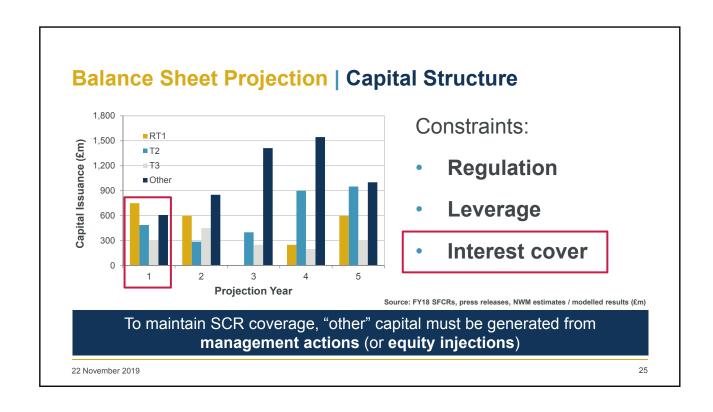


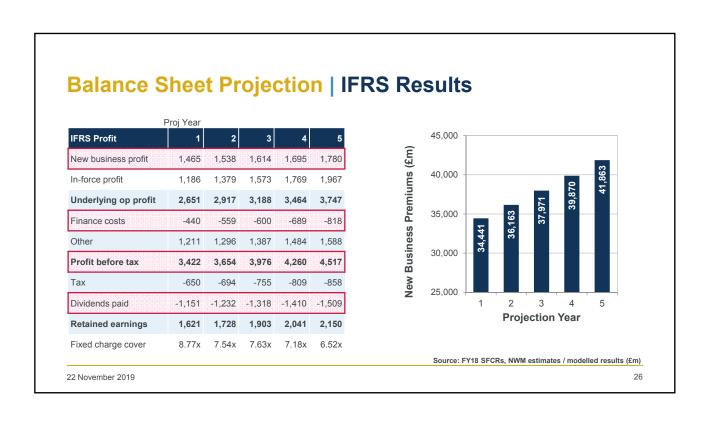


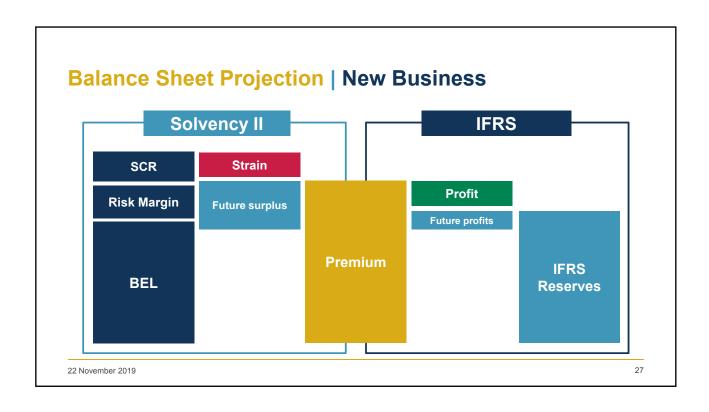


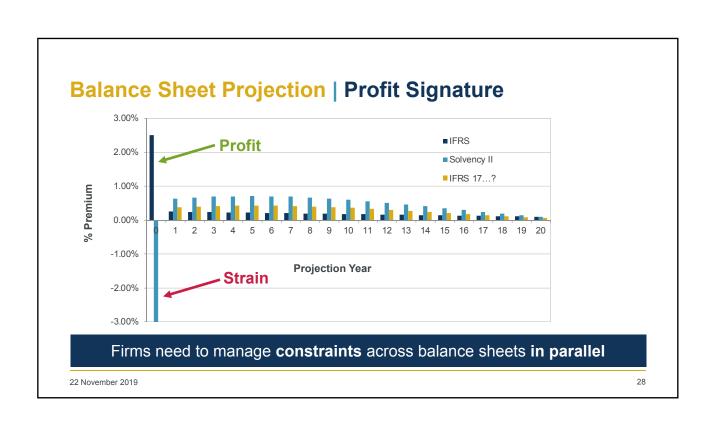












### **Balance Sheet Projection | Key Points**

### Participants need to:

- Grow the in-force book to increase (organic) capital generation
- Generate new business profits to create distributable earnings
- Manage new business strain
- Manage leverage and other ratings constraints

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### **Investing in BPA | Why Invest?**

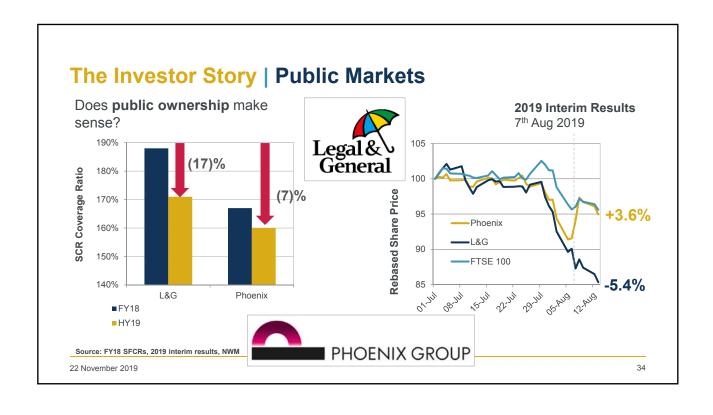
### Annuity businesses provide:

- scale and expertise required to invest in illiquid assets
- the ability transform long-dated fixed income into (levered) equity investments
- access for both public and private investors

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## Legal & General commits a further £200m to UK transport infrastructure Phoenix provides £50 million funding to AZDominion Rothesay Asset Management US LLC Outing 2017 we opened a new labelsay in the United Sales, follows, Axist Management Library, Library and the Condition Source a manher of investments and provides £50 million in Durham Outing 2017 we opened a new labelsay in the United Sales, follows, Axist Management Library, Library









### Conclusions | 2019 and Beyond...

- Pension schemes will continue their de-risking journey
- BPA needs further capital injections to become self-sufficient,
   allowing for "new normal" new business volumes
- Management actions will remain an important capital source
- The investor story remains strong, particularly for investors seeking
   fixed income-like returns / access to illiquidity premia

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### **Questions** Comments

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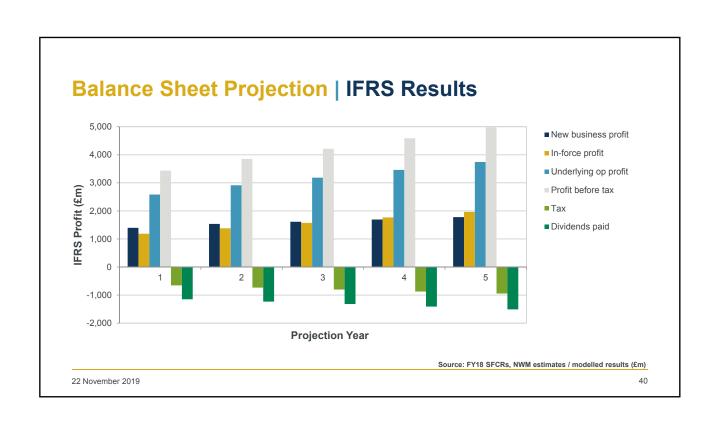
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### **Balance Sheet Projection | Self-Sufficiency?**

### Proj Year **Solvency II Capital Generation** Release of prudent margins 854 974 1,095 1,218 Amortisation of TMTP -672 -672 -672 -672 Release of SCR 732 781 839 902 969 In-force surplus generation 1,322 804 1.142 1.515 963 Dividends paid -1 318 -1 410 -1 509 -1.151 -1232Surplus gen / dividend cover 0.70x 0.78x 0.87x 0.94x 1.00x

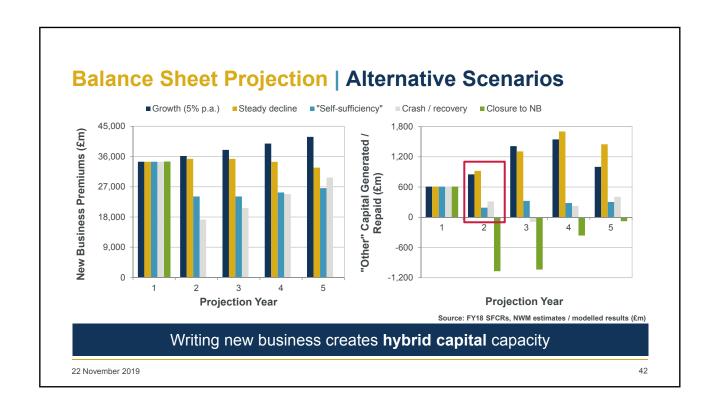
Additional factors:

- **New business** strain?
- Finance / other costs?
- Target SCR coverage?

Source: FY18 SFCRs, NWM estimates / modelled results (£m)

At these levels of new business, surplus from other **business lines** / **capital sources** is required to cover the "additional factors"

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