

# Infrastructure – a sensible investment?

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## What is infrastructure?

- Fixed assets which can be used to create economic or social benefit
- Such fields as transport, energy, communications, water, waste disposal, housing
- Commercial property is already a familiar infrastructure investment

#### World needs more infrastructure

- Need to spend about 3% of world GDP each year up to 2030 – especially in developing nations and emerging mega-cities but also in developed countries
- Existing mechanisms may not suffice to reach this target
- Can institutions be tempted to put more investment into this field?

### Attractions for institutions

- Stable and predictable cash flows over 30 yrs enable liability matching
- Low correlations with other investments create greater stability in overall portfolio
- · Often good credit ratings
- · May have some inflation protection
- Desire to enhance reputation

#### Hurdles for institutions

- Regulatory requirements
- Illiquidity
- Lack of understanding of risks
- Lack of transparency
- Need for long and costly due diligence
- Poor statistics
- · Fee levels for intermediaries
- Difficulty of getting the best projects

#### Risk-reward balance

- Will the returns suffice to counteract the risks and lack of liquidity?
- Which routes in to infrastructure will offer the best risk-reward balance? – bonds, direct ownership, participation in equity structure, infrastructure funds, listed equities?

#### The risks

- Construction
- Forecasting
- Operating and revenue
- Guarantor credit
- Financing
- Bias in assessments
- Hostile acts
- Climate changes

## **Bonds**

- Perhaps the easiest way in
- But returns are very low at present high demand and not enough projects
- Bonds are not free of risk

## Direct ownership

- · Freehold or long leasehold
- Willing to bear construction risks?
- If not, be willing to give prior commitment to buy out when constructed and in operation?
- Or invest in commercial property associated with new infrastructure?
- · Energy schemes?
- Residential?
- Continuing revenue and maintenance risks

## Listed equities

- Shares in utility companies transport, energy, telecoms
- Lower volatility than other shares?
- Not enough diversification from other types of equities?

## Unlisted infrastructure funds

- Short terms, usually 10 years
- Illiquid
- High returns projected but gearing risks
- Uncertainty over realisation prices for assets
- Lack of transparency
- Do they meet institutions' needs?

# Acceptable returns

- Bonds small margin over gilts, depending on credit rating?
- Direct ownership perhaps 6% p.a. for 30 year lease (by analogy with commercial property)?

# Regulation

- Much uncertainty but not currently a constraint
- Recent EIOPA discussion paper for insurers
- · Clarity needed

# Conclusion

- Working party paper an introduction
- What more is needed to stimulate institutional investment?
- Should the working party continue?
- Today's discussion