

TITLE:

# Climate Change – Investment Megatrend

AUTHOR:

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EVENT | PRESENTATION:

2 November 2017, INFINZ Conference, Auckland



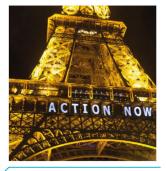
#### **Global context**

Climate is a tragedy of the horizon which imposes a cost on future generations that the current one has no incentive to fix."

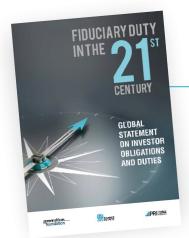
#### MARK CARNEY

GOVENOR OF THE BANK OF ENGLAND













Climate change could threaten the stability of the entire financial system."

#### **GEOFF SUMMERHAYES**

AUSTRALIAN PRUDENTIAL REGULATION AUTHORITY BOARD



### **FOUR RISKS**

#### **TECHNOLOGY**











**IMPACT** 

**POLICY** 

### **FOUR SCENARIOS**

#### **TRANSFORMATION**





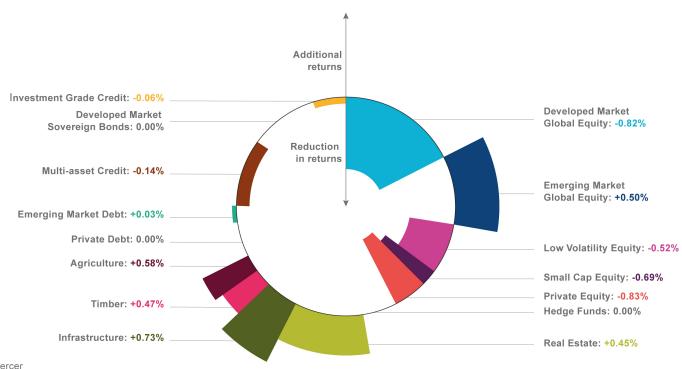




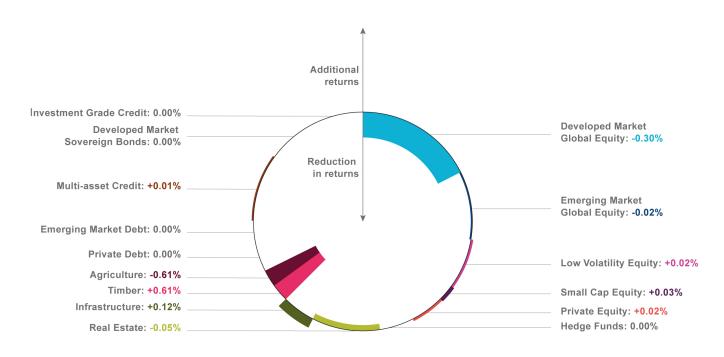


FRAGMENTATION (HIGH DAMAGES)

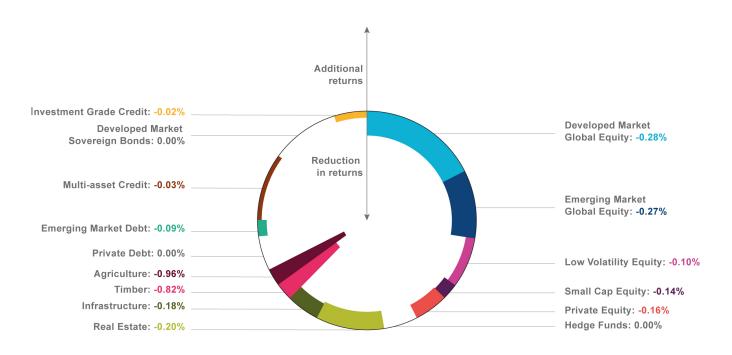
## Portfolio impacts – Transformation scenario (2°C)



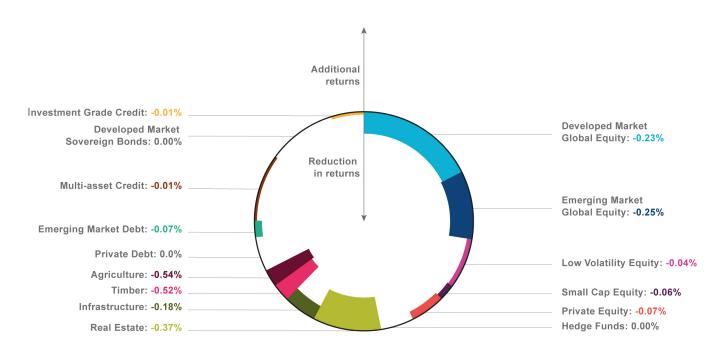
## Portfolio impacts – Coordination scenario (3°C)



## Portfolio impacts – Fragmentation (lower damages) scenario (4°C)

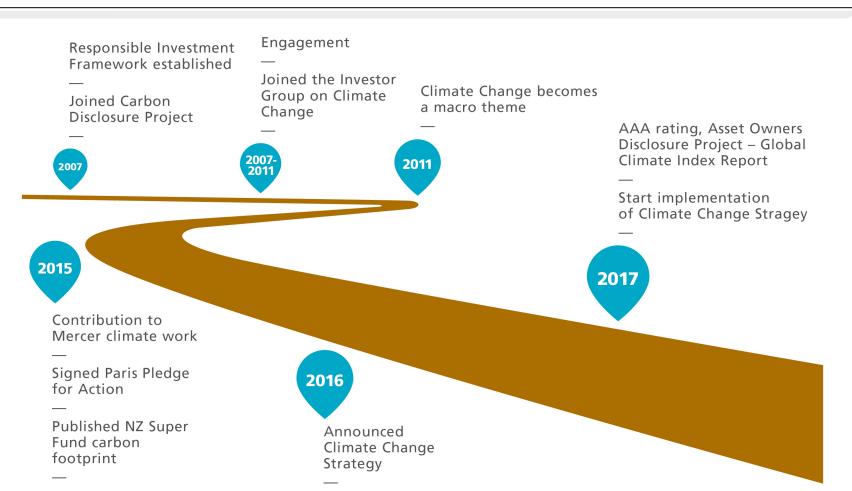


## Portfolio impacts – Fragmentation (higher damages) scenario (4°C)





## Our journey – We didn't start yesterday



## So many questions



## Why we think markets have trouble pricing climate change risk

Figure 2: Climate Impact on Returns by Industry Sector (35 Years)

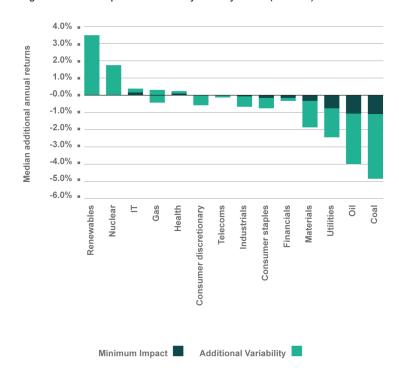
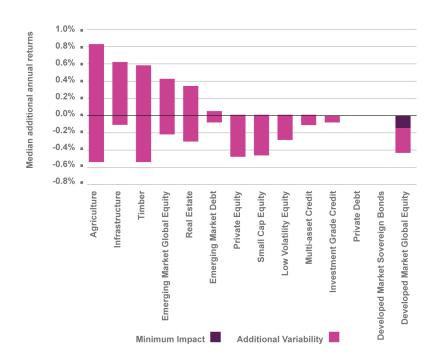


Figure 11: Climate Impact on Returns – by Asset Class (over 35 Years)





## NZ Superannuation Fund – Climate Change Strategy

GOAL



A portfolio more resilient to climate related risks.

**TARGET** 



By 2020 Reduce Carbon emission intensity of Fund by 20% Reduce carbon reserves by 40%

**PRINCIPLES** 

OUR

**CLIMATE CHANGE** STRATEGY



Whole portfolio Consistency Best tools

REDUCE

Reduce exposure to fossil fuel reserves and carbon emissions.

Incorporate climate change into our analysis and decision making.

ANALYSE



Manage climate risks by being an active owner through voting and engagement.

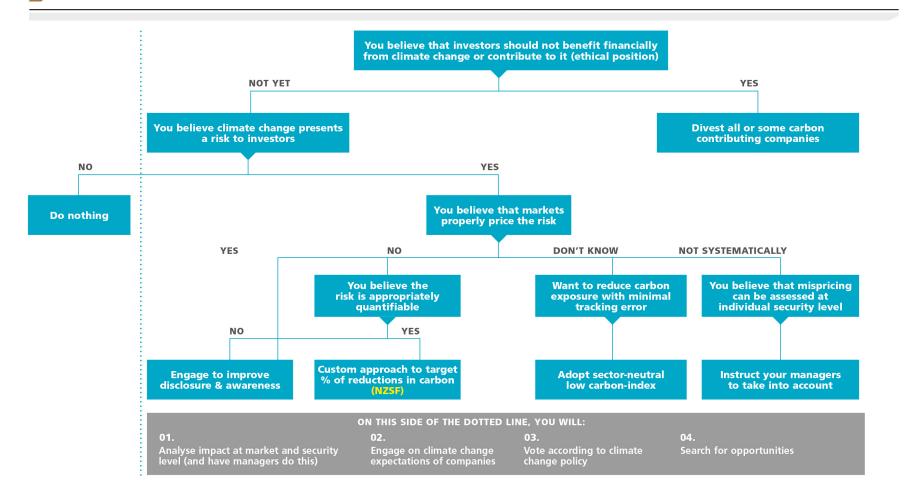
ENGAGE



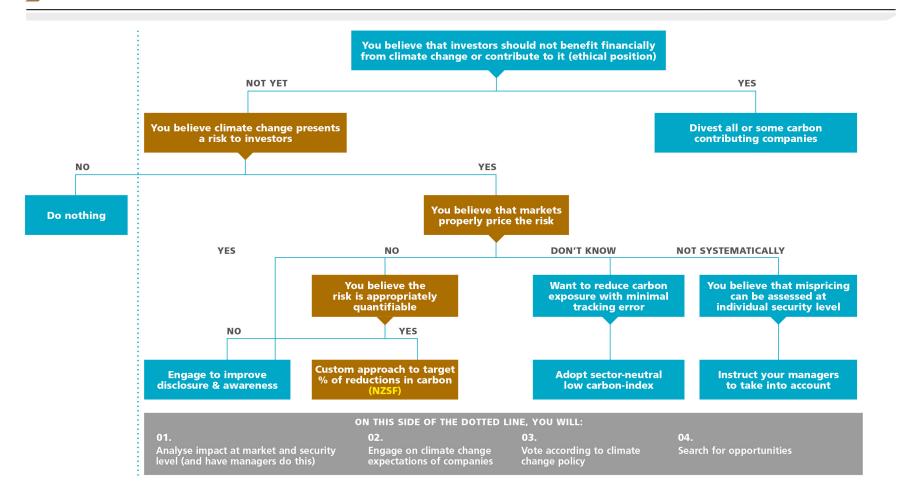
Actively seek new investment opportunities, for example in renewable energy.

**SEARCH** 

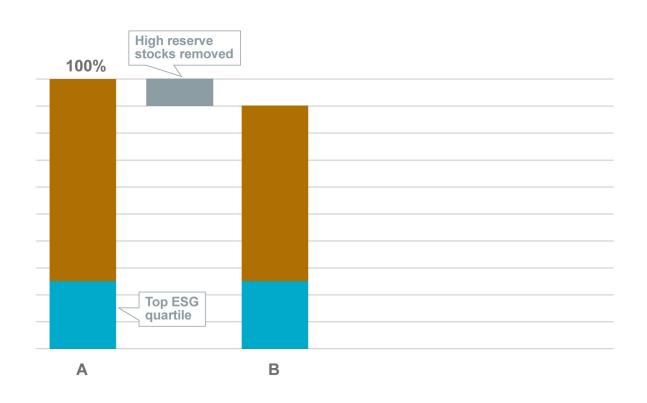
## Climate Change Action – A possible decision tree

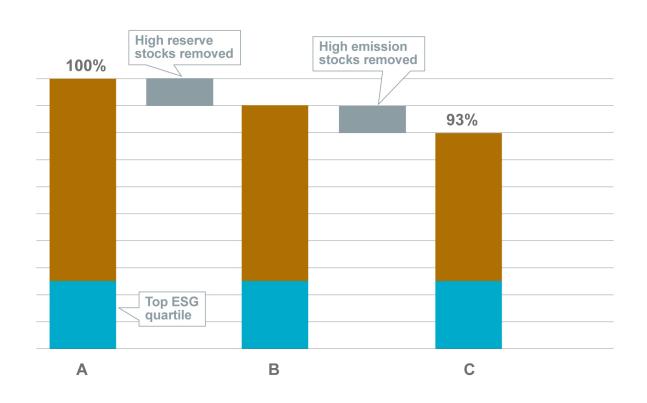


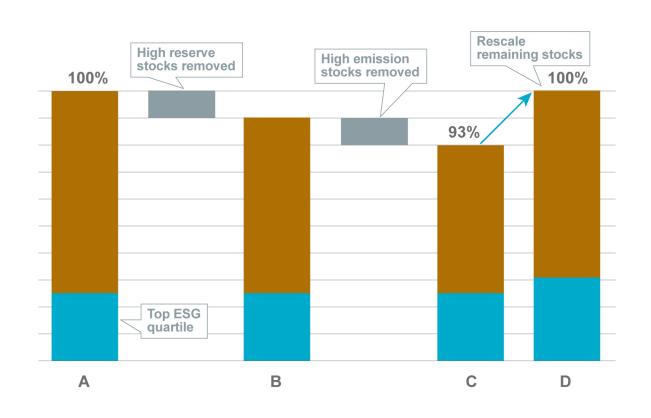
## **Climate Change Action – Our decision tree**







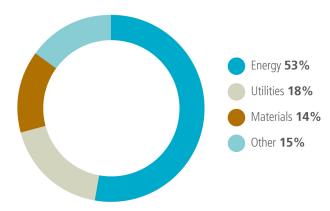




## **Reduce Equities - Implementation**

- NZ\$950 million of passive equities sold
- 297 companies
- 3% of Fund

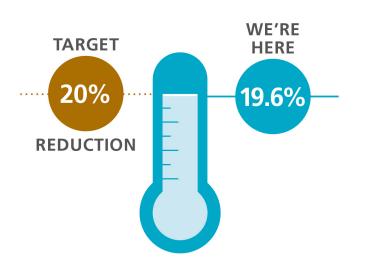






#### Fund carbon footprint





## **CARBON RESERVES**

