# **INTEGRITY**



The evolution of ESG



James Harwood
October 2019

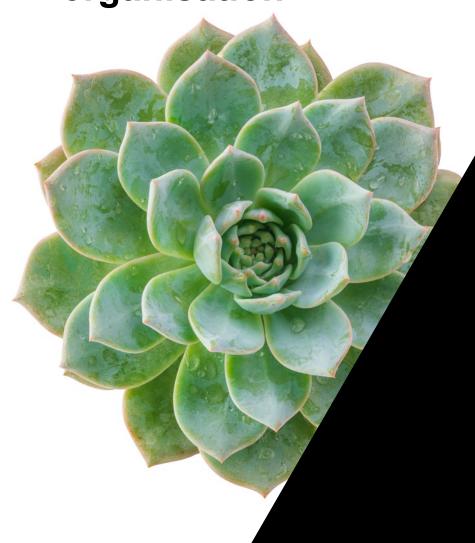
# Our beliefs

We believe that understanding our beliefs is an important starting point to this conversation

- 1.ESG factors impact security prices
- 2.A deep understanding of how ESG factors impact security prices is value-adding to a skilful investment process
- 3. Embedding ESG considerations into a firm's culture and process improves the likelihood of prolonged and successful investing
- 4. Active ownership is an effective tool for improving investment outcomes

Integrating ESG across an organisation





## Responsible investing is broad

Different ways investors integrate ESG into portfolios



Integrate ESG factors into manager selection



Proxy voting and engagement



Exclusions/ ESG targets



Thematic/ impact investment

Source: Russell Investments, for illustrative purposes only.



# Investment managers are being held to a rising standard

Investor demands and regulatory requirements are shifting, can investment managers keep pace?

Exclusionary/
Inclusionary Screening

Avoidance of companies in controversial sectors (e.g. weapons, tobacco). Traditional SRI

ESG Factor Integration

ESG factors
embedded into
investment approach
designed to improve
the portfolio's risk or
return profile

Thematic / Impact Investing

Desire to capture measurable positive ESG impact alongside investment returns

**Traditional SRI** 

We focus on these two



# Firm-wide holistic ESG integration

Integrating ESG into our practices and processes

### Portfolio management

- Manager ranks
- > Surveys
- Manager selection



#### **ESG** research and metrics

- > Product solutions
- > Research metrics & universes
- > Reporting



### **Active ownership**

- > Proxy voting
- Engagement
- > Sustainable development goals



### **Culture and process**

- > Integrate ESG across whole firm
- > Sustainable work practices
- > Diversity and inclusion



## **Active ownership**

We are committed to integrating ESG and investing responsibly

**Since 2009** 

**UN-PRI** signatory

A+ and A

Ratings from UN-PRI \*

93,000+

Proxy votes made at 9,873 meetings in 2018

Tier 1

**UK Financial Reporting Council** 

Stewardship codes

Global application of and commitment to the UK and Japan Stewardship Codes

Portfolio management

ESG research and metrics

Active ownership

Culture and process

Signatory of:







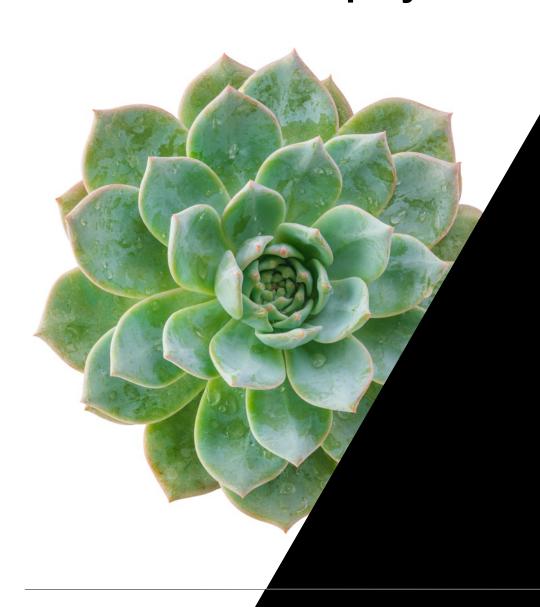


<sup>\*</sup> Across 10 categories, as at December 2019.



# Low Carbon Equity Solution





## Meeting ESG specific goals and preferences

Spotlight on Russell Investments' ESG specific solutions

#### Thematic funds

Funds designed to incorporate strategies to commonly desired investment themes, e.g. Low Carbon (can include some or all of below services)

#### Types of services we offer:

#### **Positive Investments**



E.g. encourage positive action or support social initiatives, e.g tilting towards higher ESG scores or impact investing

#### Screening



Exclusion of companies which do not fit with investment beliefs

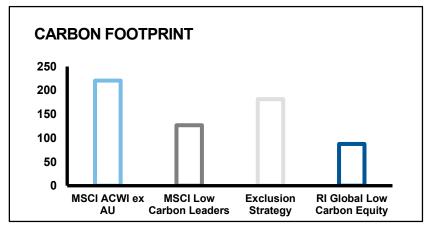
#### **ESG Specific Strategies**

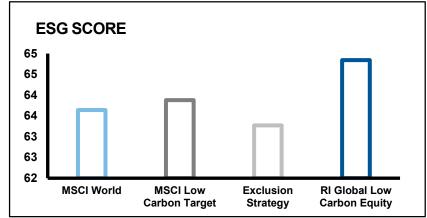


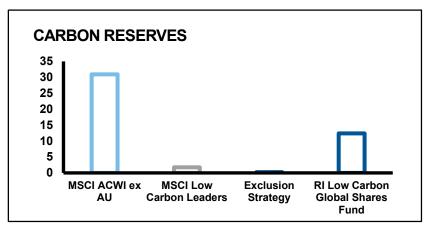
Specific portfolio objectives, e.g. reduction of carbon, social capital. Portfolios can be tailored for your needs

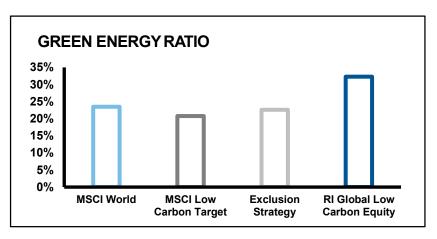
# Decarbonisation: a differentiated strategy

### Moving beyond risk and identifying opportunities







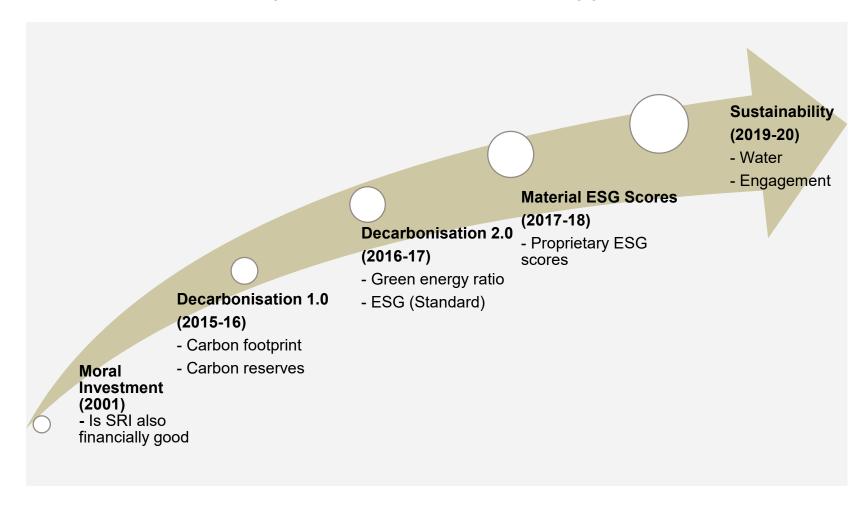


Source: Russell Investments, MSCI, Trucost, Sustainalytics as per Dec 31, 2017.



# **Ongoing enhancement**

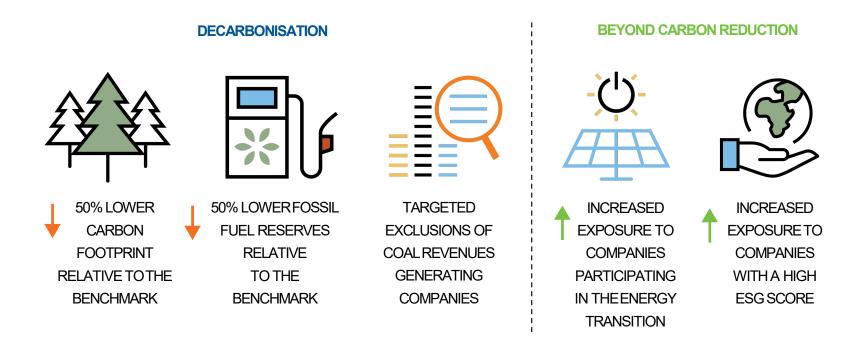
Continuous development embedded in our approach to ESG





### **Low Carbon ESG**

### Moving beyond divestments and identifying opportunities



A LOW COST ESG GLOBAL EQUITY SOLUTION, WHICH REDUCES CARBON FOOTPRINT WHILE DELIVERING INDEX LIKE RETURNS

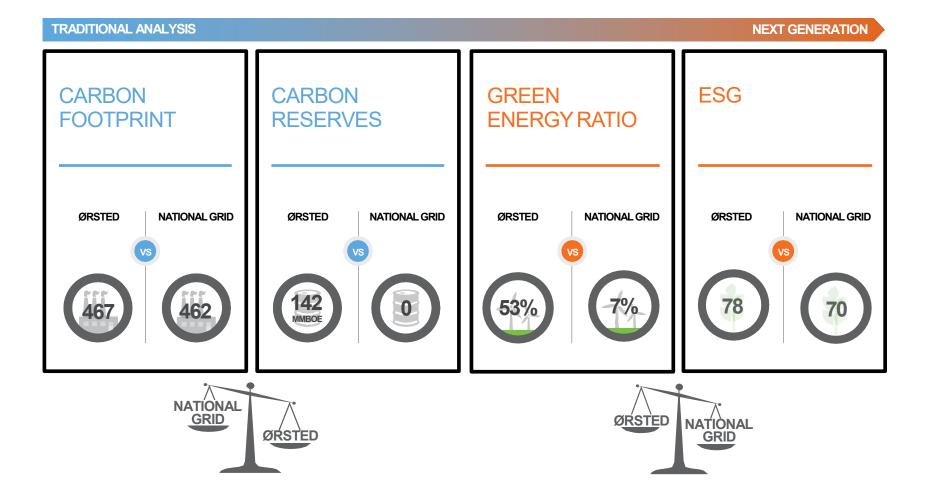
Source: Russell Investments, for illustrative purposes only.



# **Case study: Utility companies**

Capital Markets & Quant Research

Wider lens leads to better informed decisions





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### **Portfolio Construction**

How we construct the combined portfolio

# STARTING WITH AN INVESTMENT PORTFOLIO

- Apply exclusions
- Reduce carbon footprint by 50%
- Reduce fossil fuel reserves by 50%
- Maintain or improve ESG score
- Improve green energy ratio
- Apply sector, industry, country, company constraints

# MINIMISE ACTIVE SHARE

The fund minimises active share to effectively deliverlow tracking error.

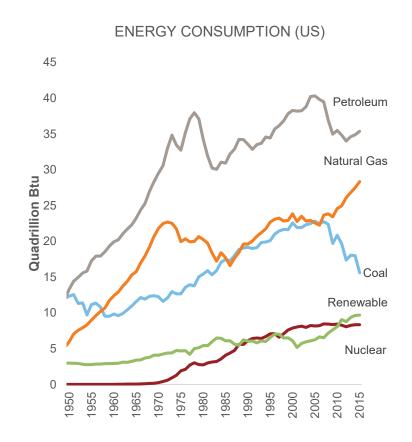
This portfolio construction process negates unintuitive outcomes that can arise with other optimisation techniques.

# Why exclude coal?

#### THE SINGLE LARGEST CO2 EMITTER

# CO2 EMISSIONS 250 Pounds of CO2 emitted per million Btu 200 150 100 50 0

#### LOOSING RELEVANCE IN THE ENERGY MIX



Source: U.S. Energy Information Administration Annual Energy Outlook 2016.



# **Reducing carbon footprint**

#### **CARBON FOOTPRINT**

(SCOPE 1 + SCOPE 2) METRIC TONS

TOTAL REVENUE (USD)

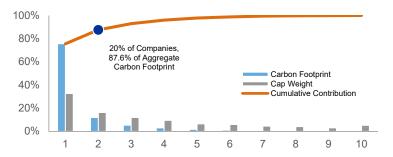
#### Scope 1 (Direct):

Includes emissions that arise directly from sources that are owned and controlled by a company e.g. fuel combustion and industrial processes.

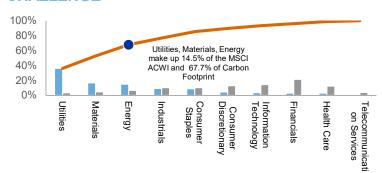
#### Scope 2 (Upstream):

Includes emissions generated by purchased electricity consumed by a company, e.g. generated by heating and cooling systems.

#### **OPPORTUNITY**



#### **CHALLENGE**



Source: Russell Investments, Trucost, MSCI as at 30 June 2016



# Reducing stranded asset risk

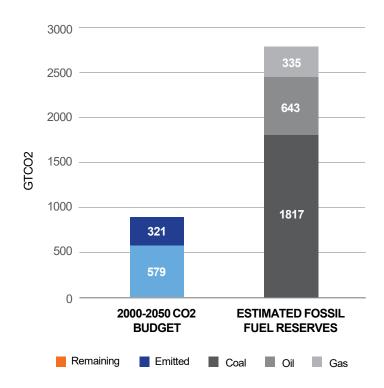
#### CARBON FOOTPRINT

FOSSIL FUEL RESERVES METRIC TONS

TOTAL ASSETS (USD)

- 2 Degree Climate Change scenario may present challenges to the extraction of fossil fuel reserves in the future
- Current estimates are that 80% of fossil fuel reserves are unburnable. Largestimpact is Coal.

#### **2 DEGREE SCENARIO**



Source: Carbon Tracker 2011, UBS 2016.



# Increasing exposure to energy transition

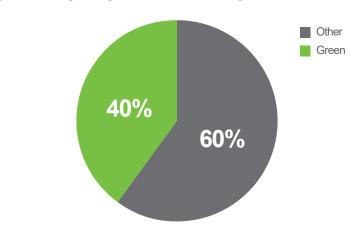
#### **GREEN ENERGY RATIO**

**GREEN POWER GENERATION (GWH)** 

TOTAL POWER GENERATION (GWH)

- There is a shift away from traditional (brown) sources of energy to more renewable (green) sources.
- Evidence that this transformation is already underway: renewables accounted for nearly half of all new power generation capacity in 2014\*.

#### **GREEN VS BROWN NEW ENERGY CAPACITY**



#### **GREEN**

- Wind
- Solar
- Biomass
- Geothermal
- Wave & Tidal
- Hydroelectric

#### **GREY**

- Nuclear Power
- Landfill Gas
- Other Power

#### **BROWN**

- Coal
- Natural Gas
- LPG
- Petroleum
- LNG Power

\*World Energy Outlook: http://www.iea.org/publications/freepublications/publication/WEO2015SpecialReportonEnergyandClimateChange.pdf Source: Russell Investments, Trucost as of August2016.



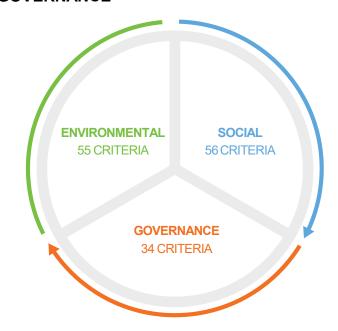
## **Incorporating the ESG Score**

# ENVIRONMENTAL, SOCIAL AND GOVERNANCE

145 DIFFERENT CONSIDERATIONS

- Explicitly favour those business whose practices are consistent with sustainability objectives.
- Avoid exposure to those companies that present the highest risks and actively engage for greater impact.

### ENVIRONMENTAL, SOCIAL AND GOVERNANCE



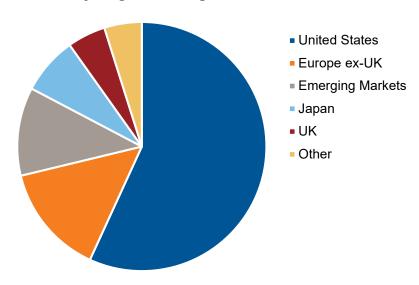
Source: Russell Investments, for illustrative purposes only



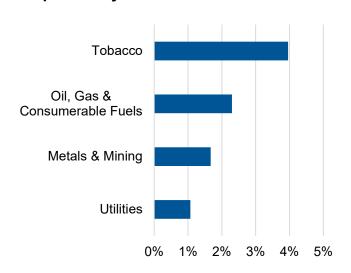
### RI Low Carbon Global Shares Fund

#### **Fund Characteristics**

#### **Country/Regional Weights**



#### **Top Industry Contributors to Active Risk**



Globally diversified core equity portfolio

Underweights to high carbon emitting industries and tobacco drive relative performance

Source: MSCI, FactSet, Bloomberg, Russell Investments as of 30 Sep 2019. Benchmark is MSCI ACWI ex-Aus Index.



### RI Low Carbon Global Shares Fund

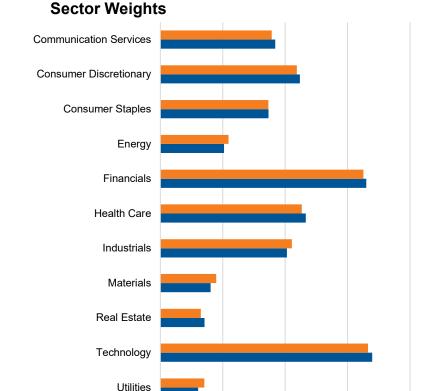
#### **Fund Characteristics**

#### **Top 10 Holdings**

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Holding	GICS Sector	Weight	
Apple	Technology	2.24%	
Microsoft	Technology	2.17%	
Amazon.com	Consumer Discretionary	1.55%	
Facebook	Communication Services	0.93%	
Alphabet (C)	Communication Services	0.83%	
JPMorgan Chase & Co	Financials	0.82%	
Alphabet (A)	Communication Services	0.82%	
Johnson & Johnson	Health Care	0.76%	
Nestle	Consumer Staples	0.73%	
Visa	Technology	0.68%	

#### **Portfolio Characteristics**

Holding	Fund	Benchmark
Number of holdings	1,811	2,784
Weighted average market cap (NZD billion)	\$242.1	\$245.5
Dividend Yield	2.4%	2.4%
Price-to-book	2.3x	2.2x
Price-to-earnings	17.9x	17.5x
Price-to-earnings 12-mth forward	16.3x	16.1x



5.00%

■MSCI ACWI ex-Aus Index ■Russell Investments Low Carbon Global Shares Fund

10.00%

15.00%

20.00%

0.00%

Source: MSCI, FactSet, Bloomberg, Russell Investments as of 30 Sep 2019. Benchmark is MSCI ACWI ex-Aus Index. Sector weights excludes cash position.



### **Performance**

### Low Carbon Global Shares Fund to 30 September 2019

	YTD	1 YEAR	SINCE INCEPTION (ANNUALISED)
Russell Low Carbon Global Shares Fund	22.50	9.75	13.23
MSCI ACWI ex Aus Index Net	21.25	8.65	12.85
Excess return	1.25	1.10	0.38

Fund size: \$A617m

Inception date: 10 October 2017

Returns are gross of fees and are expressed in Australian dollars

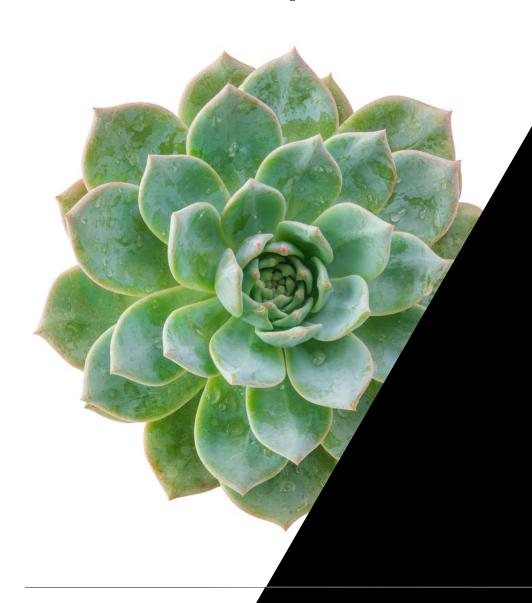
### Fund target objectives

	50% REDUCTION	50% REDUCTION	IMPROVEMENT	MAINTAIN AND/OR IMPROVE	50bps
	Carbon footprint reduction	Carbon reserves reduction	Green energy ratio	Material ESG score	Tracking error (12 months)
AS AT Sep-19	62%	70%	121%	104%	0.41%



# **Research Updates**





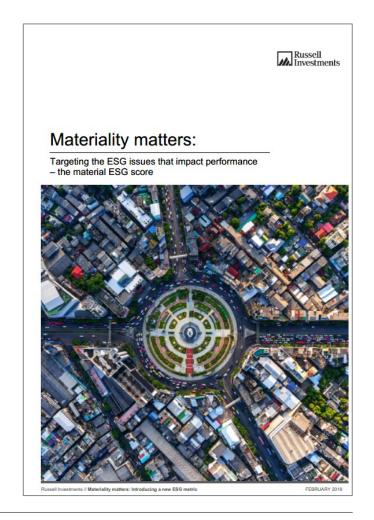
### **Materiality matters**

### Developing proprietary ESG scoring method

- > Traditional ESG scores are built for a variety of use cases.
  - > Investors' portfolio analysis and investment decision making,
  - Corporations' own sustainability performance and analysis of supply chain risks/vendors,
  - > Governments' benchmarks and assessing partnership risk

### Our goal:

A customised ESG score with an explicit focus on identifying ESG issues that are considered financially material to a firm's business



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### **Material ESG scores**

### Is there a performance impact?

Differentiating companies on material issues led to better investment outcomes than focusing immaterial issues

Differences in four-factor alphas	
High – Low Quintile Performance RGI Global LC Dec 2012 – June 2017	
Material sustainability issues	1.19%**
Immaterial sustainability issues	0.30%
Traditional ESG score	0.97%*

Source: Russell Investments. Alphas refer to high minus low portfolio returns regressed on four-factor models including Mkt-Rf, SMB, HML, and UMD. \*\*\*, \*\*, \* refer to significance at the 1%, 5%, and 10% levels respectively.

When further isolating performance on material vs immaterial issues, low performance on material issues is especially costly

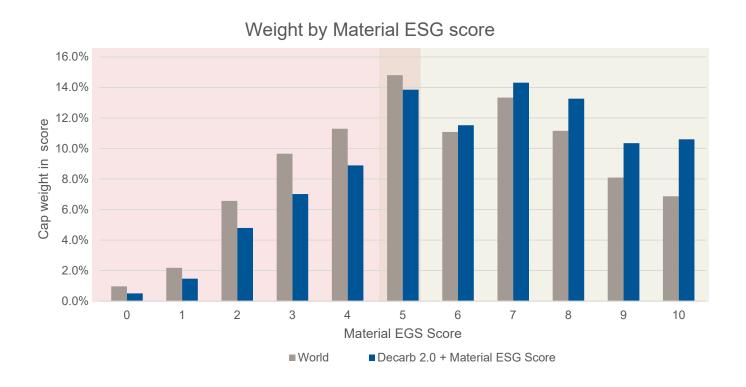
Double-sorted buckets RGI Global LC Dec 2012 – June 2017	Annualised alpha	Difference in alpha vs bucket #1
1 - High material, low immaterial	-1.18%	
2 - Low material, Low immaterial	-4.60%	1.22%*
3 - Low material, high immaterial	-3.38%	2.20%*
4 - High material, high immaterial	-0.95%	-0.23%

Source: Russell Investments. Alphas refer to portfolio returns regressed on 4-factor models including Mkt-Rf, SMB, HML, and UMD. \*\*\*, \*\*, \* refer to significance at the 1%, 5%, and 10% levels respectively.



### **Material ESG scores**

### How do we use it?



Tilt portfolio to shift weight from low scoring companies to high scoring companies

Source: Russell Investments. Based on hypothetical global equity portfolio with Low Carbon ESG overlay applied



# / Recent research

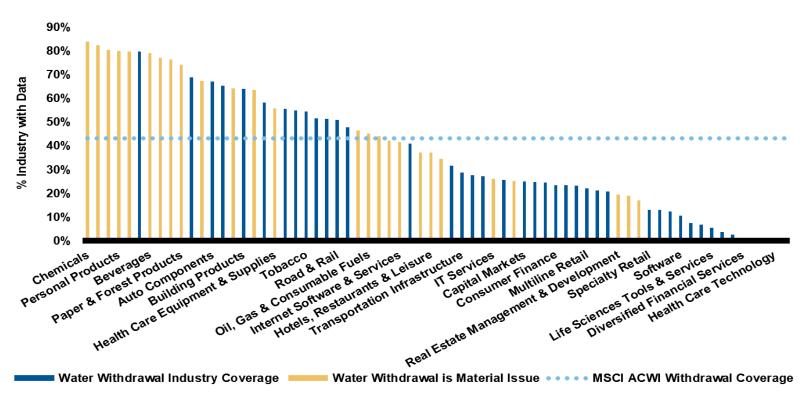




# Consideration #1: Data reporting is low

Water withdrawal coverage

#### Water Withdrawal Data Coverage by Industry



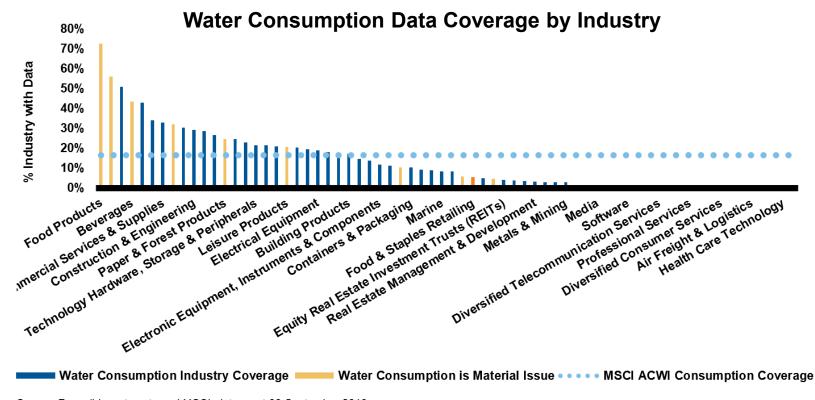
Source: Russell Investments and MSCI, data as at 30 September

Coverage on water withdrawal data is 43% for the MSCI ACWI Index.



# Consideration #1: Data reporting is low

Water **consumption** coverage



Source: Russell Investments and MSCI, data as at 30 September 2018.

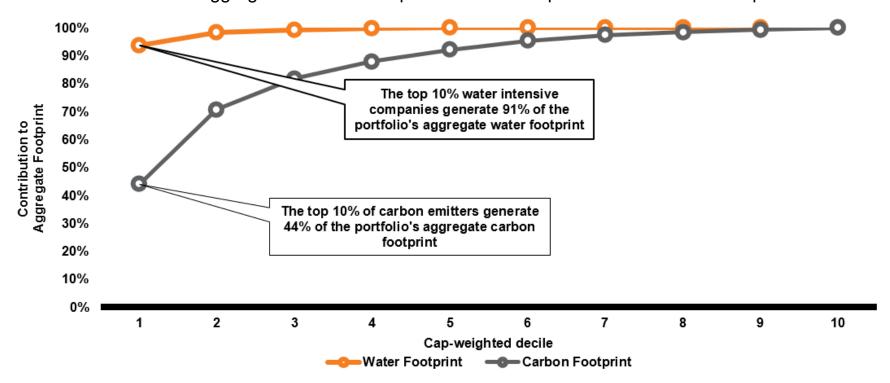
Coverage on water consumption is lower at roughly 16% for the MSCI ACWI Index.



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# Consideration #2: Water usage is highly concentrated

Contribution to Aggregate Portfolio Footprint – Water Footprint versus Carbon Footprint



Source: Russell Investments and MSCI, data as at 30 September 2018.

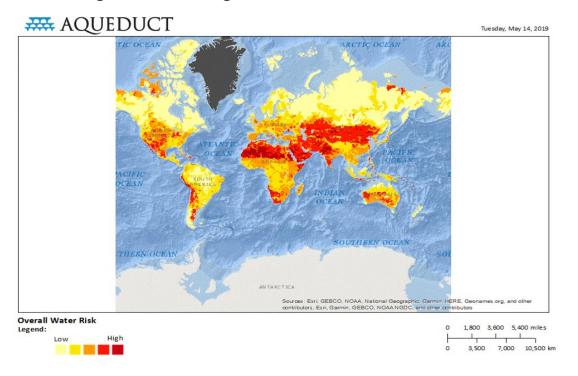
The highest water usage is found in the utilities, materials and energy sectors.



# Consideration #3: The market is highly exposed to water-stressed regions

### A regional lens is critical

Look for not just how much water was consumed, but also what percent was in high-stress regions.



Source: The Aqueduct Global Maps 2.1 database, 2019. Retrieved 14 May 2019.

71% of companies exposed to high-stress water regions



# Consideration #4: Identify forward-looking information and proactive companies

#### A forward look

- > TCFD's Final recommendation report encourages organisations to undertake both historical and forward-looking analyses
- One piece of forward-looking data that can be considered is a company's water-related targets

### Water as a material part of a company's business

> When material, have companies set water-use targets?

### **Proactive companies**

> Proactive steps to contribute to Sustainable Development Goal 6: "Ensure availability and sustainable management of water and sanitation for all"



# Thank you.

Any questions?

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