



Still waters run deep warns the English idiom: what appears calm and placid on the surface may well hide currents of complexity below. Water surrounds us in our daily lives, and we think we understand it well, but hydrologists are still learning about its movement, distribution and quality, and its fragility.

- For humans, it's a core asset to their survival and their daily activities.
- For companies, it's an essential commodity for their operations but the resource is becoming increasingly scarce, partly because of expanding corporate activity.

The industrial sectors are particularly large consumers (and potential polluters) of water.

Utilities are the most obvious companies reliant on water - getting it to households and taking the waste away, but it is also used for cleaning and extracting other resources in mining, provides a mode of transport for the shipping industry, and is used in waste management in the chemical sector.

These uses lead to very different water management issues.

Chemicals: Diving deeper

The lazy view of chemicals manufacturers is that they are a disaster for the environment, but the truth is not so black-and-white. Indeed, the industry counts some of the most ESG-aware companies among its ranks.

Take plastics, the chemicals producers' biggest business. Plastics have a multitude of vital uses including packaging that keeps food fresh. Banning plastics would lead to mountains more of food waste. But plastics, especially single-use ones, are polluting the oceans.

Illustration 1. Plastic fantastic - benefits of plastics

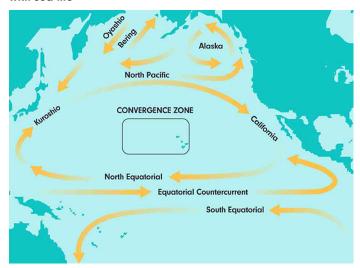
ē	Energy	Chemicals	Production	Malleability	Weight
Criteria	E	Ţ.	Ŀ	No.	KG
	It takes 82%	Metals may	Faster	Highly	On average,
stic	more energy	oxidise or rus	t, production	flexible	alternatives
	to produce	while plastics	cycle times	compared	such as glass
	alternatives to	are prone to	means lower	to rigid	to plastics
Plastic	plastic	less decay	unit cost	alternatives	are 3.5x
_		ensuring			heavier
		them longer			
		integrity			

Source : Berry Global, Ocean Conservancy, August 2018.

Sources : Fidelity International, February 1st, 2019.. #ESG ; #Water ; #Waste

These single-use plastics are not recycled and can take 500-1000 years to degrade. PET (polyethylene terephthalate) bottles comprise 15 % of total marine waste - the third most common item found in ocean debris. Ocean waste also has a nasty habit of congregating in zones which are populated by sea life because the same currents act on both groups.

Illustration 2. The Pacific Garbage Patch - ocean waste converges with sea life



Source: NOAA Marine Debris Program, August 2018

The solution is more recycling but this is not as easy as it is for paper or glass. Plastic items can be complex, containing multiple layers of polymers that are extremely difficult to separate before being ready for the recycling process. In many countries the infrastructure required to recycle simply isn't widely available, so only 14 % of the world's plastic packaging is recycled.

Water & Waste management is an urgent issue that is applicable to all industries. This creates opportunities for investors willing to integrate ESG prism into their stock analysis. It also means having a strong commitment to support companies in their endeavours to better manage natural resources and to implement their sustainable policies.

Important Information

This document is issued by FIL Responsible Entity (Australia) Limited ABN 33 148 059 009, AFSL No. 409340 ("Fidelity Australia"). Fidelity Australia is a member of the FIL Limited group of companies commonly known as Fidelity International.

Prior to making an investment decision, retail investors should seek advice from their financial adviser. This document is intended as general information only. Please remember past performance is not a guide to the future. Investors should also obtain and consider the Product Disclosure Statements ("PDS") for the fund(s) mentioned in this document before making any decision about whether to acquire the product. The PDS is available on www.fidelity.com.au or can be obtained by contacting Fidelity Australia on 1800 119 270. This document has been prepared without taking into account your objectives, financial situation or needs. You should consider such matters before acting on the information contained in this document. This document may include general commentary on market activity, industry or sector trends or other broad-based economic or political conditions which should not be construed as investment advice. Information stated herein about specific securities is subject to change. Any reference to specific securities should not be construed as a recommendation to buy, sell or hold these securities. While the information contained in this document has been prepared with reasonable care, no responsibility or liability is accepted for any errors or omissions or misstatements however caused. The document may not be reproduced or transmitted without prior written permission of Fidelity Australia.

The issuer of Fidelity's funds is FIL Responsible Entity (Australia) Limited ABN 33 148 059 009. References to (\$) are in Australian dollars unless stated otherwise. Details of Fidelity Australia's provision of financial services to retail clients are set out in our Financial Services Guide, a copy of which can be downloaded from our website.© 2020 FIL Responsible Entity (Australia) Limited. Fidelity, Fidelity International and the Fidelity International logo and F symbol are trademarks of FIL Limited.

