

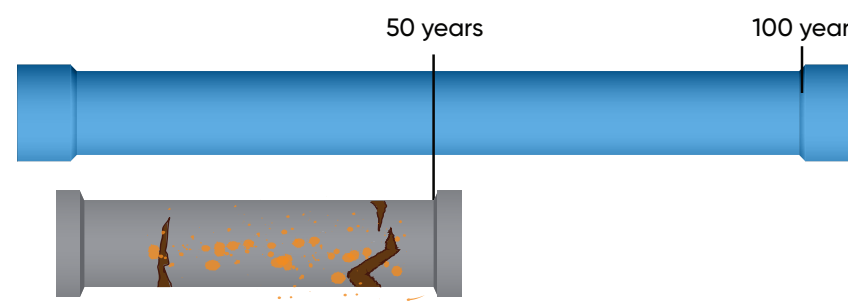
PVC is the SUSTAINABLE Choice



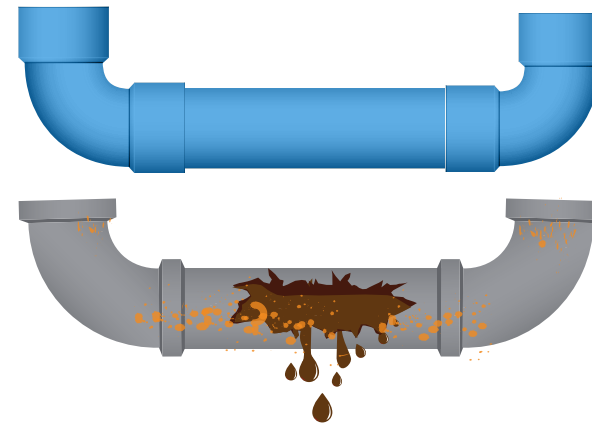
PVC is a fully recyclable, long-lasting product that does not break down



The same qualities that make single-use plastic a problem make PVC ideal for durable, hygienic applications



75% of utilities must pipe through corrosive soils

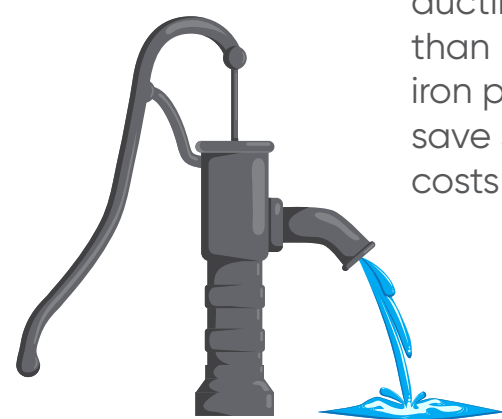


PVC does not corrode; most breaks are caused by corrosion



Average water loss across piping systems is 10%, with older metal pipes losing as much as 40%; PVC pipes are virtually leak-free

PVC lasts over 100 years; Alternative materials are most likely to break after 20-40 years; In corrosive soils they may last only 11-14 years.

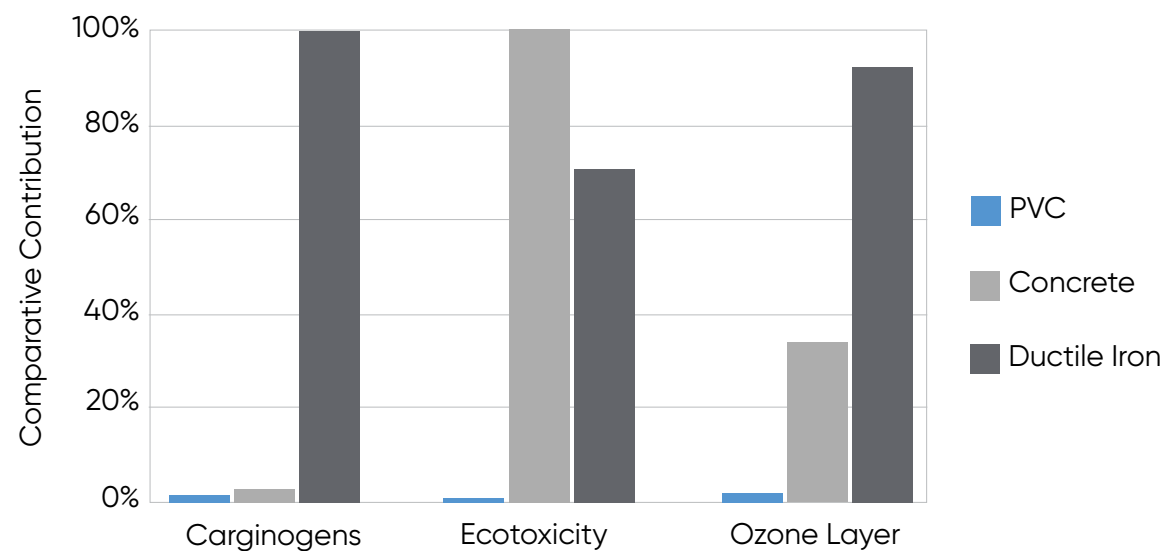
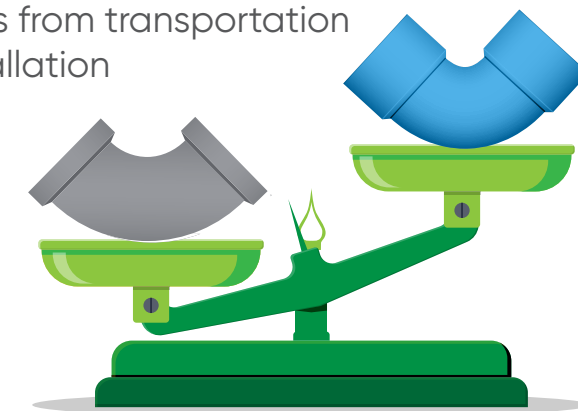


Pumping energy required for ductile iron pipes is 54% more than PVC; replacing ductile iron pipes with PVC could save \$21 million in pumping costs across the U.S.



Dioxins released in the PVC resin production process are only 1/6 of those released in the ductile iron production process

PVC weight is only 25% that of ductile iron, which means lower emissions from transportation and installation



PVC is much safer for people and the environment

PVC has a much lower carbon footprint than ductile iron – over its full life cycle, PVC pipe requires about 40% of the energy of ductile iron pipe



At the end of its life, PVC is fully recyclable up to 8 times

This means if we had the technology in the past, we would still be recycling PVC pipe from the Middle Ages!



References:

Life Cycle Assessment of PVC Water and Sewer Pipe and Comparative Sustainability Analysis of Pipe Materials. Sustainable Solutions Corporation, 2017. NSF verified LCA Conformity to Product Category Rule and ISO 14025.
Water Main Break Rates in the USA and Canada: A Comprehensive Study. Utah State University Buried Structures Laboratory, 2018.
Certified Environmental Product Declaration: PVC Pressure Pipe and PVC Non-Pressure Pipe. Uni-Bell PVC Pipe Association, independently certified by NSF International, 2015.