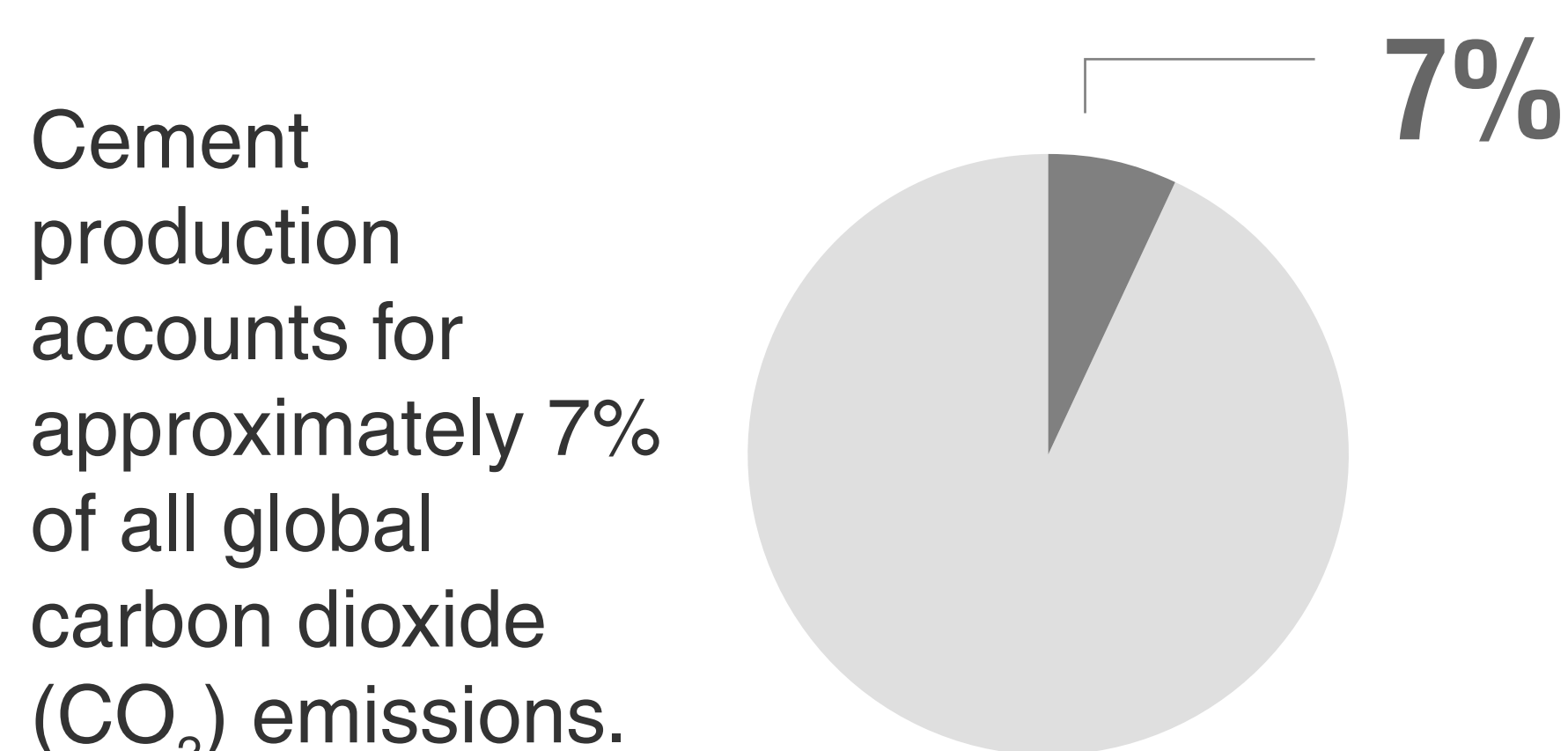


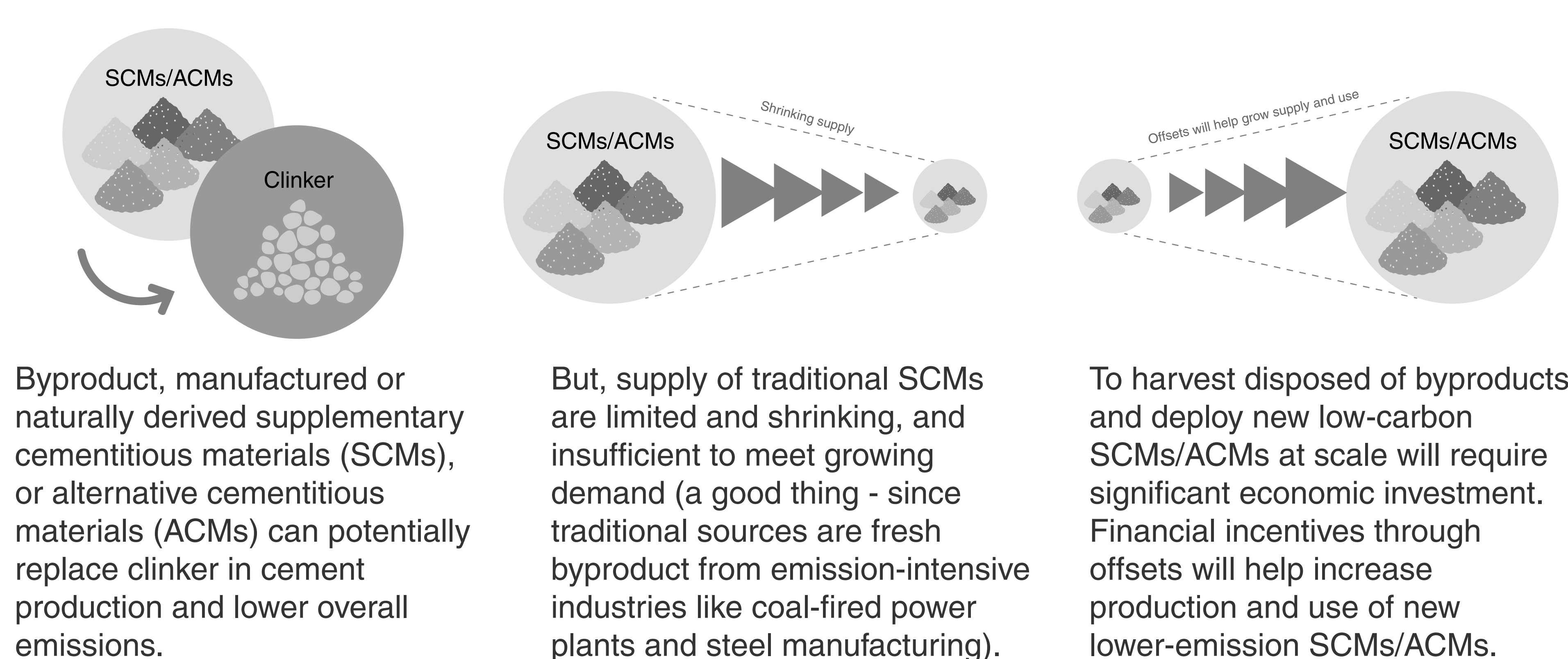
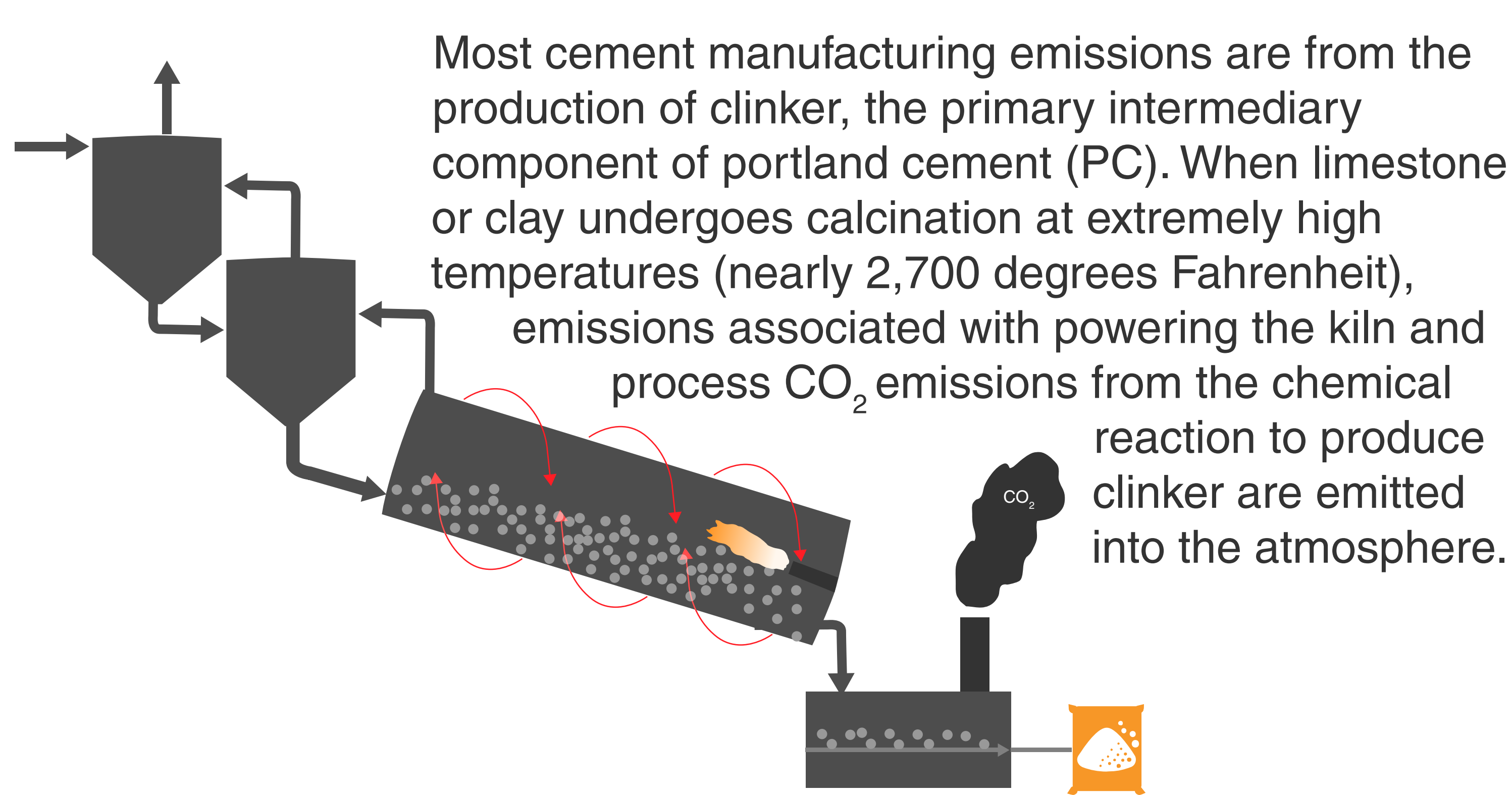
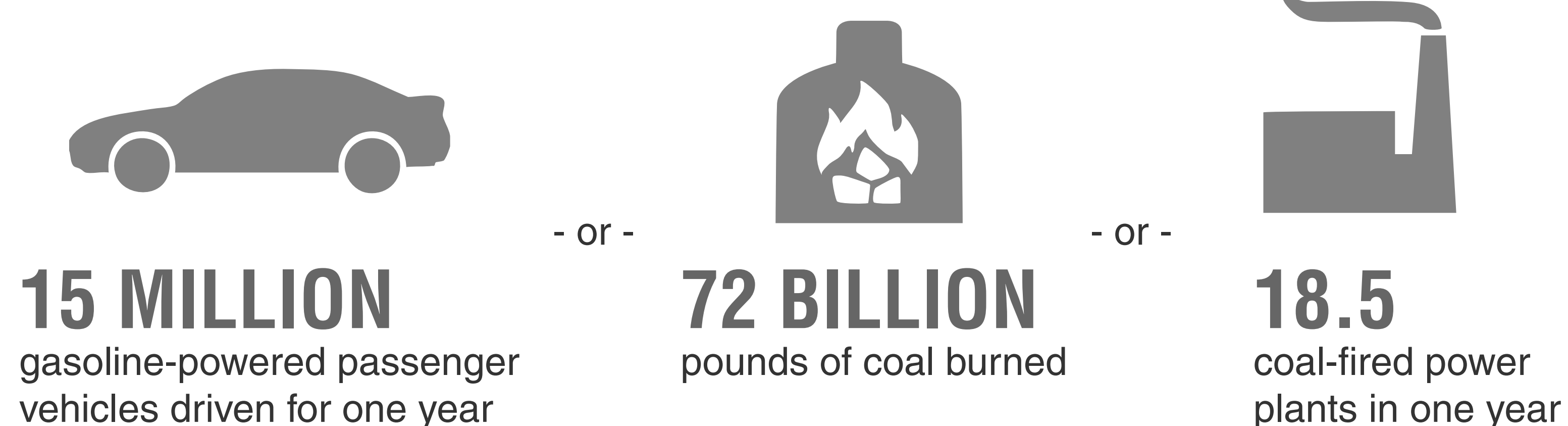
BUILDING A LOW-CARBON FUTURE WITH LOW-CARBON CEMENT



WHY LOW-CARBON CEMENT IS NEEDED



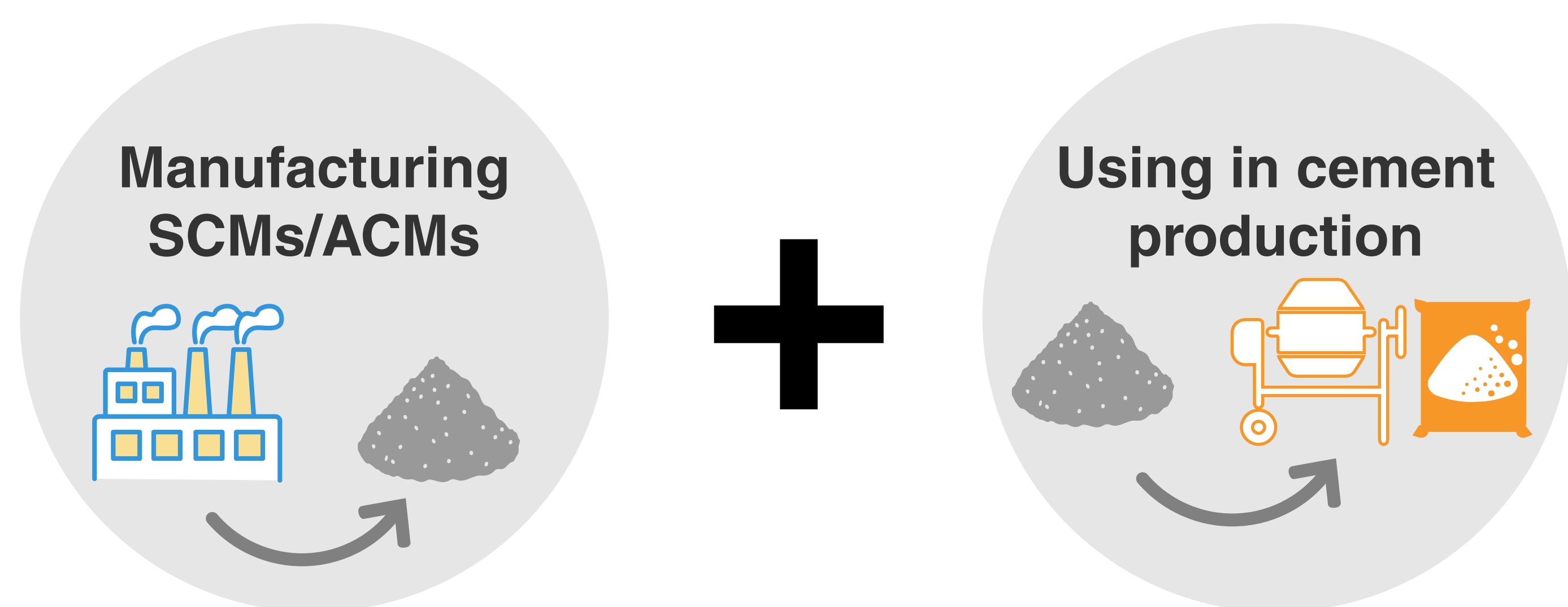
In 2021, U.S. cement plants emitted roughly 69 million tonnes of carbon dioxide emissions, which according to the EPA Greenhouse Gas Equivalencies Calculator is equivalent to:



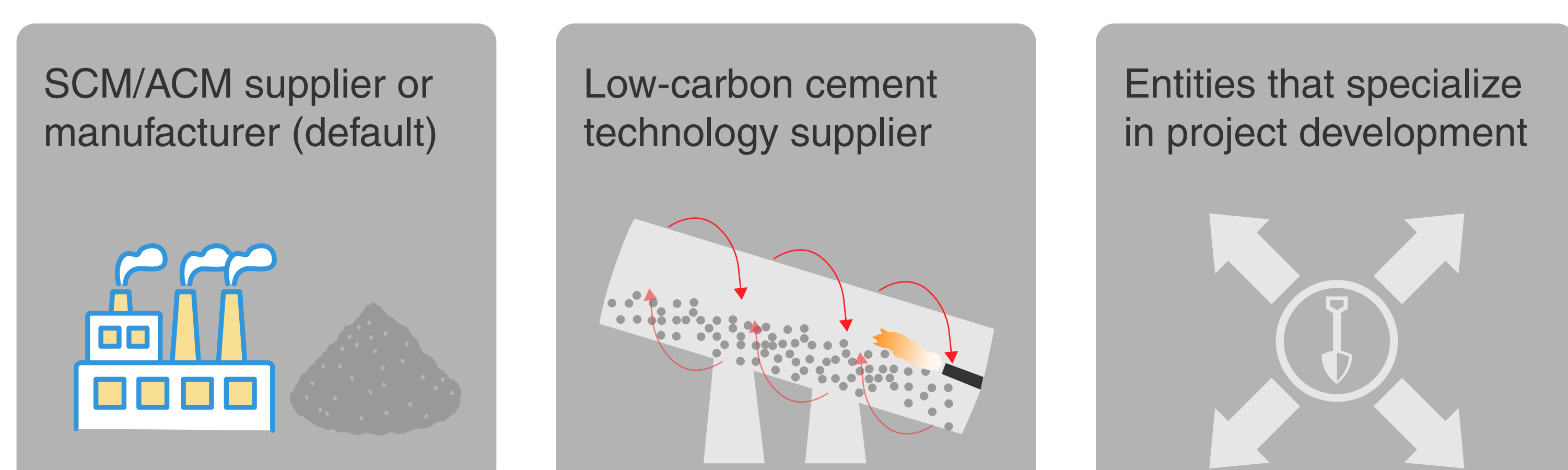
HOW THE U.S. LOW-CARBON CEMENT PROTOCOL SUPPORTS GHG REDUCTIONS

Under the U.S. Low-Carbon Cement Protocol, the Climate Action Reserve issues carbon credits for emissions reductions achieved through:

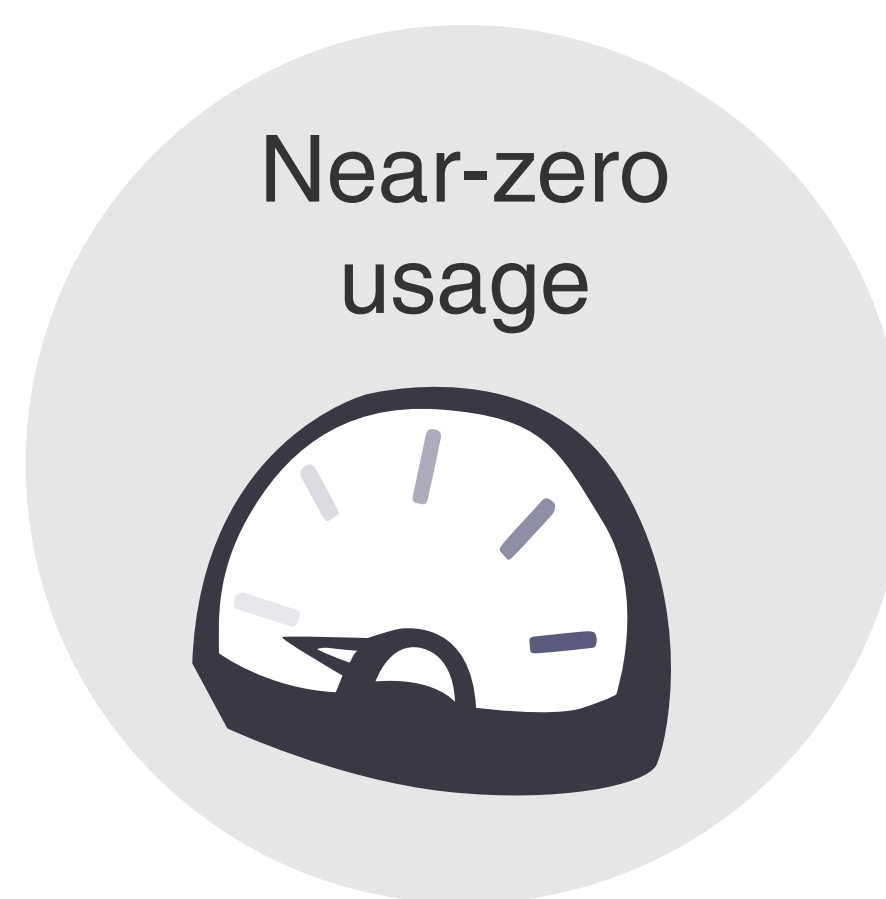
1. The manufacturing of SCMs or ACMs that can replace PC in ready-mix or concrete products; and
2. Usage in production of low-carbon cement to avoid GHG emissions from PC production. Credits are issued upon reasonable assurance PC was displaced with verifiable mechanisms.



The project developer by default is the SCM/ACM supplier or manufacturer, but a project developer may also be low-carbon cement technology suppliers, and/or entities that specialize in project development.



Eligible products have a usage rate in concrete at near zero (first-of-its-kind) or less than 5 percent



Products are required to meet quality standards, including applicable ASTM specifications



Major co-benefit: protocol targets harvesting and reclamation of coal ash disposed across the country



Examples of eligible SCMs/ACMs include:

