

Data below derived from EPA report to Congress EPA 530-R-08-007, Life 365 version 2.0, and Bath University's Inventory of Carbon & Energy (ICE):

[SCM / RMC] Recovered Mineral Component:	CO2 emissions - kg per metric ton	Compressive strength efficiency ratio @ 28 days	Avoided CO2 emissions per pound substituting for cement	Energy Savings per pound substituting for cement	Avg. Life Cycle Improvement per 1% substitution
Portland Cement	959	100 %	---	---	---
Slag Cement	155	90 %	0.60 lb	\$ 0.05	+ 2.4 %
Fly Ash, Class F	93	65 %	0.97 lb	\$ 0.08	+ 3.8 %
Silica Fume	14	300 %	2.10 lb	\$ 1.23	+ 18.0 %

Table: Comparative values of Supplementary Cementitious Materials (SCM) / Recovered Mineral Components (RCM)