



Table S3. Reference flow inventory AWS_GCS_OP.

	Artificial lightweight aggregates {ES} production Cut-off, U	Aggregate washing sludge, treated {ES} market for Cut-off, U	Granite cutting sludge, treated {ES} market for Cut-off, U	Olive pits, post-process {ES} collection of Cut-off, U	Tap water {Europe without Switzerland} market for tap water Cut-off, U	Electricity, medium voltage {ES} market for Cut-off, U	Heat, district or industrial, other than natural gas {Europe without Switzerland} market for heat, district or industrial, other than natural gas Cut-off, U	Containerboard, linerboard {RER} market for containerboard, linerboard Cut-off, U	Packaging film, low density polyethylene {GLO} market for packaging film, low density polyethylene Cut-off, U	Water (emissions air)	Water (emissions water)	Biogenic carbon dioxide (emissions air)
	1 m ³	kg	kg	kg	m ³	kWh	MJ	kg	kg	m ³	m ³	kg
01-AWS_GCS_OP		847.77	0.00	0.00	0.03	19.27	2391.38	0.76	0.18	0.14	0.14	0.00
02-AWS_GCS_OP		445.18	0.00	6.78	0.02	10.27	1253.73	0.76	0.18	0.07	0.07	6.78
03-AWS_GCS_OP		554.38	0.00	17.15	0.03	12.99	1565.33	0.76	0.18	0.10	0.10	17.15
04-AWS_GCS_OP		364.32	77.99	3.34	0.01	10.13	1251.87	0.76	0.18	0.07	0.07	3.34
05-AWS_GCS_OP		355.62	77.55	9.97	0.03	10.07	1229.25	0.76	0.18	0.07	0.07	9.97
06-AWS_GCS_OP		844.36	454.66	0.00	0.00	29.52	3694.68	0.76	0.18	0.18	0.18	0.00
07-AWS_GCS_OP		239.18	131.83	5.65	0.01	8.56	1058.08	0.76	0.18	0.06	0.06	5.65
08-AWS_GCS_OP		293.49	165.68	14.20	0.03	10.76	1318.64	0.76	0.18	0.08	0.08	14.20
09-AWS_GCS_OP		232.62	261.23	3.73	0.01	11.31	1403.59	0.76	0.18	0.07	0.07	3.73
10-AWS_GCS_OP		181.00	210.00	9.00	0.02	9.09	1128.34	0.76	0.18	0.06	0.06	9.00
11-AWS_GCS_OP		424.96	991.58	0.00	0.07	32.19	4062.09	0.76	0.18	0.21	0.21	0.00
12-AWS_GCS_OP		117.99	289.80	6.21	0.03	9.41	1192.06	0.76	0.18	0.07	0.07	6.21
13-AWS_GCS_OP		128.87	334.10	14.32	0.04	10.85	1357.51	0.76	0.18	0.08	0.08	14.32