

American Coal Ash Association Phone: 720-870-7897
 1616 17th Street Suite #266 Fax: 720-870-7889
 Denver, CO 80202 Internet: www.ACAA-USA.org
 Email: info@acaa-usa.org

2020 Coal Combustion Product (CCP) Production & Use Survey Report

Beneficial Utilization versus Production Totals (Short Tons)

2020 CCP Categories	Fly Ash	Bottom Ash	Boiler Slag	FGD Gypsum	FGD Material Wet Scrubbers	FGD Material Dry Scrubbers	FGD Other	FBC Ash	CCP Production / Utilization Totals
Total CCPs Produced by Category	26,512,322	7,973,554	834,131	17,677,439	6,065,567	2,833,942	41,364	7,217,772	69,156,091
Total CCPs Used by Category	17,104,493	2,955,653	369,729	13,147,742	292,553	106,256	2,193	6,809,788	40,788,407
1. Concrete/Concrete Products /Grout	11,057,713	305,349	0	124,305	0	0	0	0	11,487,367
2. Blended Cement/ Feed for Clinker	2,321,062	862,160	73,727	1,546,731	0	0	0	6,512	4,810,192
3. Flowable Fill	95,272	0	0	0	0	0	0	0	95,272
4. Structural Fills/Embankments	306,379	510,165	0	0	0	0	0	0	816,543
5. Road Base/Sub-base	128,967	83,782	0	0	0	0	0	0	212,749
6. Soil Modification/Stabilization	57,558	80	0	0	0	0	0	0	57,638
7. Mineral Filler in Asphalt	16,195	0	0	0	0	33	2,193	0	18,421
8. Snow and Ice Control	0	35,210	22,454	0	0	0	0	0	57,664
9. Blasting Grit/Roofing Granules	0	9,773	273,548	0	0	0	0	0	283,320
10. Mining Applications	53,930	0	0	0	0	0	0	6,730,060	6,783,990
11. Gypsum Panel Products (formerly Wallboard)	18,308	0	0	9,963,467	0	0	0	0	9,981,776
12. Waste Stabilization/Solidification	1,117,551	43,634	0	118,854	0	13,415	0	73,216	1,366,670
13. Agriculture	0	3,901	0	764,996	0	78,806	0	0	847,704
14. Aggregate	1,550	0	0	0	0	0	0	0	1,550
15. Oil/Gas Field Services	64,163	0	0	0	0	6,816	0	0	70,979
16. CCR Pond Closure Activities	1,558,156	1,026,079	0	537,176	292,553	0	0	0	3,413,964
17. Miscellaneous/Other	307,689	75,520	0	92,212	0	7,186	0	0	482,608

Summary Utilization to Production Rate

CCP Categories	Fly Ash	Bottom Ash	Boiler Slag	FGD Gypsum	FGD Material Wet Scrubbers	FGD Material Dry Scrubbers	FGD Other	FBC Ash	CCP Utilization Total
Totals by CCP Type/Application	17,104,493	2,955,653	369,729	13,147,742	292,553	106,256	2,193	6,809,788	40,788,407
Category Use to Production Rate (%)	64.52%	37.07%	44.33%	74.38%	4.82%	3.75%	5.30%	94.35%	58.98%

2020 Cenospheres Sold (Pounds) 0 Data in this survey represents 121.74122 GW's of Name Plate rating of the total industry wide approximate 222.6244 GW capacity based on EIA's July 2020 Electric Power Monthly.