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2022 Coal Combustion Product (CCP) Production & Use Survey Report

Beneficial Utilization versus Production Totals (Short Tons)

2022 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	28,227,974	7,576,840	1,565,764	17,308,377	4,576,313	3,214,471	0	12,772,198	75,241,938
Total CCPs Used by Category	16,831,464	2,981,553	733,028	14,428,769	4,677	42,903	0	11,813,474	46,835,868
1. Concrete/Concrete Products /Grout	10,915,822	505,825	23,519	182,961	0	0	0	0	11,628,126
2. Blended Cement/ Feed for Clinker	3,168,766	1,037,440	61,085	1,792,354	0	0	0	0	6,059,645
3. Flowable Fill	2,209	0	0	0	0	0	0	0	2,209
4. Structural Fills/Embankments	207,979	829,295	0	0	0	0	0	0	1,037,274
5. Road Base/Sub-base	4,497	120,462	0	0	0	0	0	0	124,959
6. Soil Modification/Stabilization	387,413	0	3,061	0	0	0	0	0	390,474
7. Mineral Filler in Asphalt	12,663	0	0	0	0	0	0	0	12,663
8. Snow and Ice Control	0	39,629	11,032	0	0	0	0	0	50,662
9. Blasting Grit/Roofing Granules	0	44,327	634,330	0	0	0	0	0	678,658
10. Mining Applications	0	0	0	0	0	0	0	11,813,474	11,813,474
11. Gypsum Panel Products (formerly Wallboard)	0	0	0	11,311,524	0	0	0	0	11,311,524
12. Waste Stabilization/Solidification	852,295	0	0	0	4,677	10,220	0	0	867,193
13. Agriculture	65	2,848	0	886,603	0	0	0	0	889,516
14. Aggregate	0	0	0	0	0	0	0	0	0
15. Oil/Gas Field Services	2,499	0	0	0	0	32,682	0	0	35,181
16. CCR Pond Closure Activities	1,221,559	401,725	0	140,430	0	0	0	0	1,763,714
17. Miscellaneous/Other	55,699	0	0	114,898	0	0	0	0	170,596

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	16,831,464	2,981,553	733,028	14,428,769	4,677	42,903	0	11,813,474	46,835,868
Category Use to Production Rate (%)	59.63%	39.35%	46.82%	83.36%	0.10%	1.33%	0.00%	92.49%	62.25%
2022 Cenospheres Sold (Pounds)	108,344	Data in this survey represents 78.10486 GWs of Name Plate rating of the total industry wide approximate 205.6617 GW capacity based on EIA's May 2022 Electric Power Monthly.							