



American Coal Ash Association
38800 Country Club Drive
Farmington Hills, MI 48331

Phone: 720-870-7897
Fax: 720-870-7889
Internet: www.ACAA-USA.org
Email: info@aca-usa.org

2012 Coal Combustion Product (CCP) Production & Use Survey Report

Beneficial Utilization versus Production Totals (Short Tons)									
2012 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	52,100,000	14,100,000	1,720,945	24,200,000	6,803,636	655,119	326,762	9,843,922	109,750,384
Total CCPs Used by Category	23,205,204	5,474,167	1,437,556	12,102,964	546,616	205,733	0	8,914,774	51,887,014
1. Concrete/Concrete Products /Grout	11,779,021	732,260	0	63,607	0	5,372	0	0	12,580,260
2. Blended Cement/ Feed for Clinker	2,281,211	1,287,343	0	1,755,891	0	0	0	0	5,324,445
3. Flowable Fill	141,081	9,435	0	0	0	28	0	0	150,544
4. Structural Fills/Embankments	3,083,441	1,716,196	210,000	6,738	321,676	65,065	0	0	5,403,116
5. Road Base/Sub-base	193,711	352,469	1,300	31	0	0	0	0	547,511
6. Soil Modification/Stabilization	303,354	140,092	0	1,425	0	821	0	64,562	510,254
7. Snow and Ice Control	0	198,153	57,975	0	0	0	0	0	256,128
8. Blasting Grit/Roofing Granules	11,678	15,930	1,156,246	0	0	0	0	0	1,183,854
9. Mining Applications	2,086,074	437,986	0	1,181,799	224,940	118,868	0	8,762,464	12,812,131
10. Gypsum Panel Products	0	0	0	7,641,625	0	0	0	0	7,641,625
11. Waste Stabilization/Solidification	2,187,514	333	0	777,479	0	227	0	87,748	3,053,301
12. Agriculture	26,312	1,698	0	655,600	0	0	0	0	683,610
13. Aggregate	0	381,657	12,035	0	0	0	0	0	393,692
14. Oil Field Services	568,772	18,215	0	0	0	15,352	0	0	602,339
15. Miscellaneous/Other	543,035	182,400	0	18,769	0	0	0	0	744,204
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	23,205,204	5,474,167	1,437,556	12,102,964	546,616	205,733	0	8,914,774	51,887,014
Category Use to Production Rate (%)***	44.53%	38.82%	83.53%	50.00%	8.03%	31.40%	0.00%	90.56%	47.27%
2012 Cenospheres Sold (Pounds)	23,104,970	This data represents 209, 598 MWs Name Plate rating of the total industry wide approximate 329,483 MW capacity (coal fueled) based on Ventyx data							

The data received this year represents approximately 59 % of the coal consumed in 2012 by electric utilities and IPPs (approximately 821,400,000 tons)

* These are actual tonnages reported by utilities responding and **do not reflect estimates for utilities that did not respond** this year.

**These numbers are derived from previous, current and applicable industry-wide available data, including Energy Information Administration (EIA) Reports 923 and 860 and other outside sources.

***Utilization estimates are based on actual tons reported and on **extrapolated estimates only for fly ash, bottom ash, and FGD gypsum**;