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2010 Coal Combustion Product (CCP) Production & Use Survey Report

Beneficial Utilization versus Production Totals (Short Tons)									
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
2010 Total CCPs Produced by Category	67,700,000	17,800,000	2,332,944	22,000,000	8,670,814	1,405,952	3,740	10,267,914	130,181,364
2010 Total CCPs Used by Category	25,723,217	7,541,732	1,418,996	10,713,138	624,223	584,112	0	8,732,008	55,337,426
1. Concrete/Concrete Products /Grout	11,016,097	615,332	0	21,045	0	16,847	0	0	11,669,321
2. Blended Cement/ Raw Feed for Clinker	2,045,797	949,183	3,000	1,135,211	0	0	0	0	4,133,191
3. Flowable Fill	135,321	52,414	0	0	0	13,998	0	0	201,733
4. Structural Fills/Embankments	4,675,992	3,124,549	78,647	454,430	424,581	358,019	0	0	9,116,218
5. Road Base/Sub-base	242,952	715,357	3,128	0	3,018	0	0	0	964,455
6. Soil Modification/Stabilization	785,552	162,065	0	0	0	19,189	0	0	966,806
7. Snow and Ice Control	0	549,520	41,194	0	0	0	0	0	590,714
8. Blasting Grit/Roofing Granules	86,484	19,914	1,257,571	0	0	0	0	0	1,363,969
9. Mining Applications	2,399,837	528,881	0	835,536	186,624	112,373	0	8,660,408	12,723,659
10. Gypsum Panel Products	109	0	0	7,661,527	0	0	0	0	7,661,636
11. Waste Stabilization/Solidification	3,258,825	41,233	0	0	0	39,283	0	71,600	3,410,941
12. Agriculture	22,220	4,674	0	481,827	0	0	0	0	508,721
13. Aggregate	6,726	555,031	27,155	0	0	0	0	0	588,912
14. Miscellaneous/Other	1,047,305	223,579	8,301	123,562	10,000	24,403	0	0	1,437,150
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**
2010 Totals by CCP Type/Application	25,723,217	7,541,732	1,418,996	10,713,138	624,223	584,112	0	8,732,008	55,337,426
Category Use to Production Rate (%)***	37.90%	42.30%	60.80%	48.60%	7.10%	41.50%		85.00%	42.50%
2010 Cenospheres Sold (Pounds)	15,485,980								

ACAA received survey data representing 231,379 MegaWatts Name Plate capacity of the total industry-wide approximate 327,983 capacity (i.e., 69.7%) or approximately 67% of the coal-fueled electric utility generation as reported by EIA

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

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**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 for fly ash, bottom ash, and FGD gypsum**;