ACAA

American Coal Ash Association (ACAA)
1994 Coal Combustion Byproduct(CCB) - Production and Use (Short Tons)

Total CCBs - Category I (Dry) & II (Ponded)	Fly Ash	Bottom Ash	Boiler Slag	FGD Material
A. CCB Production	54,835,570	14,827,165	3,785,852	15,545,068
Subtotal -- Fly Ash, Bottom Ash, and Boiler Slag			73,448,587	
Total All CCB's				88,993,655
B. CCB Use				
External Market Applications				
a. Cement and Concrete Products	7,419,334	736,681	89,694	86,877
b. Flowable Fill	608,023	88,221	0	0
c. Structural Fills	682,053	153,541	3,723	20,071
d. Road Base/Subbase	605,363	272,342	25,529	0
e. Mineral Filler in Asphalt	135,117	15,762	83,316	0
f. Snow and Ice Control	15,298	787,271	216,751	0
g. Blasting Grit/Roofing Granules	0	93,455	2,626,103	0
h. Grouting	17,044	0	0	0
I Mining Applications	80,023	28,769	0	148,932
j. Wallboard	0	0	0	533,941
l. Waste Stabilization	231,028	23,331	0	0
k. Miscellaneous/Other	575,641	183,660	11,985	73,462
Subtotal -- External Market Applications	10,368,924	2,383,032	3,057,102	863,282
Internal Producer Applications				
a. Cement and Concrete	1,003	549	0	0
b. Flowable Fill	26,996	531	0	18,089
c. Structural Fills	529,018	325,455	0	62,688
d. Road Base/Subbase	108,803	694,919	3,028	124
e. Snow and Ice Control	0	493	62	0
f. Miscellaneous/Other	1,895,945	1,677,987	57,645	0
Subtotal -- Internal Producer Applications	2,561,766	2,699,934	60,736	80,901
Total External Market and Internal Producer Applications	12,930,690	5,082,966	3,117,838	944,182
Subtotal -- Fly Ash, Bottom Ash, and Boiler Slag			21,131,493	
Total -- All CCBs				22,075,675
C. Individual Use Percentage	23.6%	34.3%	82.4%	6.1%
D. Cumulative Use Percentage	23.6%	25.9%	28.8%	24.8%

For metric equivalents, multiply tabular values by 0.9078

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