



**2001 Coal Combustion Product (CCP)
Production and Use (Short Tons)
American Coal Ash Association (ACAA)**

Total CCPs - Category I (Dry) & II (Ponded)	Fly Ash	Bottom Ash	Boiler Slag	FGD Material
CCP Production	68,123,551	18,788,004	2,536,195	28,482,792
Subtotal -- Fly Ash, Bottom Ash, and Boiler Slag			89,447,750	
Total All CCPs				117,930,542
CCP Use				
Cement/Concrete/Grout	12,360,242	779,522	0	488,511
Raw Feed for Cement Clinker	1,033,384	162,489	0	30,805
Flowable Fill	803,703	7,439	0	0
Structural Fills	3,209,508	1,160,262	15,018	189,961
Road Base/Subbase	1,026,821	609,861	0	39,103
Soil Modification	736,986	113,562	0	0
Mineral Filler	106,539	8,183	12,424	1,302
Snow and Ice Control	0	853,423	18,284	0
Blasting Grit/Roofing Granules	0	40,089	1,489,939	0
Mining Applications	819,588	118,446	0	140,230
Wallboard	0	0	0	6,224,872
Waste Stabilization/Solidification	1,439,407	68,930	0	47,258
Agriculture	20,506	22,109	0	114,584
Miscellaneous/Other	448,271	1,768,083	282,808	306,869
Total Use	22,004,955	5,712,398	1,818,473	7,583,495
Subtotal -- Fly Ash, Bottom Ash, and Boiler Slag			29,535,826	
Total All CCPs				37,119,321
Individual Use Percentage	32.3%	30.4%	71.7%	26.6%
Cumulative Use Percentage	32.3%	31.9%	33.0%	31.5%

For metric equivalents, multiply tabular values by 0.9078

Internet: <http://www.ACAA-USA.org>

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Category I - Dry, Moisture Conditioned & Compacted CCPs	Fly Ash	Bottom Ash	Boiler Slag	FGD Material
CCP Production	51,311,821	13,141,725	872,301	16,740,803
Subtotal-- Fly Ash, Bottom Ash, and Boiler Slag			65,325,847	
Total All CCPs				84,066,650
CCP Use				
Cement/Concrete/Grout	12,124,286	720,704	0	488,511
Raw Feed for Cement Clinker	679,361	135,976	0	0
Flowable Fill	125,275	7,439	0	0
Structural Fills	3,130,960	517,591	15,018	189,961
Road Base/Subbase	1,026,821	395,790	0	39,103
Soil Modification	736,986	113,562	0	0
Mineral Filler	98,900	8,183	12,424	1,302
Snow and Ice Control	0	855,648	0	0
Blasting Grit/Roofing Granules	0	31,277	408,063	0
Mining Applications	633,007	94,797	0	110,670
Wallboard	0	0	0	4,443,044
Waste Stabilization/Solidification	955,907	63,175	0	47,258
Agriculture	20,506	22,109	0	99,534
Miscellaneous/Other	20,947	1,006,452	212,700	245,534
Total Use	19,552,656	3,772,704	648,205	5,664,917
Subtotal -- Fly Ash, Bottom Ash, and Boiler Slag			23,973,568	
Total All CCPs				29,638,482
Individual Use Percentage	38.1%	28.7%	74.3%	30.2%
Cumulative Use Percentage	38.1%	36.2%	36.7%	35.3%
Category II - Ponded CCPs	Fly Ash	Bottom Ash	Boiler Slag	FGD Material
CCP Production	16,811,730	5,646,279	1,663,894	9,741,989
Subtotal-- Fly Ash, Bottom Ash, and Boiler Slag			24,121,903	
Total All CCPs				33,863,892
CCP Use				
Cement/Concrete/Grout	235,956	58,818	0	0
Raw Feed for Clinker	354,323	26,513	0	0
Flowable Fill	678,428	0	0	0
Structural Fills	78,548	642,671	0	0
Road Base/Subbase	0	214,071	0	0
Soil Modification	0	0	0	0
Mineral Filler	7,639	0	0	0
Snow and Ice Control	0	197,774	18,284	0
Blasting Grit/Roofing Granules	0	8,812	1,081,876	0
Mining Applications	186,581	23,649	0	29,560
Wallboard	0	0	0	1,781,828
Waste Stabilization/Solidification	483,500	5,755	0	0
Agriculture	0	0	0	15,050
Miscellaneous/Other	427,324	761,631	70,108	61,335
Total Use	2,452,299	1,939,694	1,170,268	1,887,773
Subtotal -- Fly Ash, Bottom Ash, and Boiler Slag			5,562,261	
Total All CCPs				7,450,034
Individual Use Percentage	14.6%	34.4%	70.3%	19.4%
Cumulative Use Percentage	14.6%	19.6%	23.1%	22.0%

For metric equivalents, multiply tabular values by 0.9078