



ACAA  
15200 E. Girard Ave., Ste. 3050  
Aurora, CO 80014

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

## 2007 Coal Combustion Product (CCP) Production & Use Survey Results (Revised)\*

### American Coal Ash Association 2007 CCP Production & Use Survey

CCP Categories	Fly Ash	Bottom Ash	Boiler Slag	FGD Gypsum	FGD Material Wet Scrubbers	FGD Material Dry Scrubbers	FGD Other	FBC Ash (not including ARIPPA FBC Ash data)	CCP Production/Utilization Totals	FBC Ash combined with ARIPPA* FBC Ash production	CCP Production/Utilization Totals (including ARIPPA FBC Ash data)
<b>Total CCPs Produced by Category</b>	<b>71,700,000</b>	<b>18,100,000</b>	<b>2,072,695</b>	<b>12,300,000</b>	<b>16,600,000</b>	<b>1,812,511</b>	<b>2,449,731</b>	<b>1,273,061</b>	<b>126,307,998</b>	<b>6,092,756</b>	<b>131,127,693</b>
<b>Total CCPs Used by Category</b>	<b>31,626,037</b>	<b>7,303,538</b>	<b>1,663,980</b>	<b>9,228,271</b>	<b>810,080</b>	<b>150,365</b>	<b>113,298</b>	<b>323,741</b>	<b>51,219,310</b>	<b>5,143,436</b>	<b>56,039,005</b>
1. Concrete/Concrete Products /Grout	13,704,744	665,756	0	118,406	0	21,266	0	5,518	14,515,690	5,518	14,515,690
2. Blended Cement/ Raw Feed for Clinker	3,635,881	608,533	6,888	656,885	0	0	81,801	0	4,989,988	0	4,989,988
3. Flowable Fill	112,244	0	0	0	0	12,427	2,735	0	127,406	0	127,406
4. Structural Fills/Embankments	7,724,741	2,570,163	158,767	0	97,610	555	0	46,282	10,598,118	46,282	10,598,118
5. Road Base/Sub-base	377,422	802,067	20	0	0	0	0	0	1,179,509	0	1,179,509
6. Soil Modification/Stabilization	856,673	314,362	169	0	0	154	429	199,441	1,371,228	199,441	1,371,228
7. Mineral Filler in Asphalt	17,223	21,771	63,729	0	0	0	0	0	102,723	0	102,723
8. Snow and Ice Control	0	736,979	44,367	0	0	0	0	0	781,346	0	781,346
9. Blasting Grit/Roofing Granules	0	71,903	1,377,658	0	0	0	0	0	1,449,561	0	1,449,561
10. Mining Applications	1,306,044	165,183	0	0	299,793	111,195	0	0	1,882,215	4,819,695	6,701,910
11. Gypsum Panel Products**	0	0	0	8,254,849	0	0	0	0	8,254,849	0	8,254,849
12. Waste Stabilization/Solidification	2,680,348	7,056	0	0	10,378	1,416	28,333	72,500	2,800,031	72,500	2,800,031
13. Agriculture	49,662	2,546	0	115,304	9,236	3,352	0	0	180,100	0	180,100
14. Aggregate	135,331	806,645	450	70,947	0	0	0	0	1,013,373	0	1,013,373
15. Miscellaneous/Other	1,025,724	530,574	11,932	11,880	393,063	0	0	0	1,973,173	0	1,973,173
<b>Totals by CCP Type/Application</b>	<b>31,626,037</b>	<b>7,303,538</b>	<b>1,663,980</b>	<b>9,228,271</b>	<b>810,080</b>	<b>150,365</b>	<b>113,298</b>	<b>323,741</b>	<b>51,219,310</b>	<b>5,143,436</b>	<b>56,039,005</b>
<b>Category Use to Production Rate(%)</b>	<b>44.11%</b>	<b>40.35%</b>	<b>80.28%</b>	<b>75.03%</b>	<b>4.88%</b>	<b>8.30%</b>	<b>4.62%</b>	<b>25.43%</b>	<b>40.55%</b>	<b>84.42%</b>	<b>42.74%</b>
<b>F. Supplemental:</b>											
Cenospheres Sold (Pounds)	12,659,597										

\*Please note two format changes to the 2007 survey form.

1. CCP production and utilization totals are now listed in their own column (dark green).
2. "ARIPPA" CCP information has been added to the form (last two columns) reflecting (1) Combined survey respondent and ARIPPA produced and utilized FBC Ash totals, and (2) An alternative CCP production and use survey total which includes all combined survey respondent totals and ARIPPA FBC Ash totals.

ARIPPA is a Pennsylvania association of 14 IPPs producing 1400 MWs of coal-fired electricity. ARIPPA fuels include anthracite and bituminous waste coal.

**Note 1:** Not including ARIPPA input, this survey reflects data submitted by 161 U.S. coal-fired power plants.

**Note 2:** Energy Information Administration report data (EIA 923 and EIA 860) are used for extrapolation purposes in the generation of ACAA survey columns 1 through 4.

All remaining columns are as provided by survey respondents.

**Note 3:** Response to this survey is voluntary. Not all utilities respond, respond every year or respond with all requested data. Thus, actual production and usage numbers received may vary from year to year.

When significant inconsistencies occur, such data is footnoted.