Ash Production & Utilization 1980

(Million Tons)

	Fly Ash	Bottom Ash	Boiler Slag
1. TOTAL ASH PRODUCED	48.31	14.45	3.64
2. ASH UTILIZED	6.42	4.26	1.75
A. COMMERCIAL UTILIZATION			
1. Cement & concrete products	2.67	.49	.07
2. Structual fills	.37	.22	.15
3. Road base	.13	.35	-0-
4. Filler in asphalt mix	.09	.02	.05
5. Snow & ice control, blasting grit, roofing granules	-0-	.48	1.33
6. Grouting	.36	-0-	-0-
7. Coal mining application	.12	-0-	.04
8. Miscellaneous	.39	.10	-0-
TOTAL COMMERCIAL UTILIZATION	4.13	1.66	1.64
B. ASH USED INTERNALLY			
1. Structual fills	.63	.60	.02
2. Road base	.15	.22	.01
3. Miscellaneous	.27	.39	.04
TOTAL ASH USED INTERNALLY	1.05	1.21	.07
C. ASH REMOVED FROM PLANT SITES AT NO COST TO UTILITY	.07	.33	.04
D. ASH UTILIZED AFTER DISPOSAL COSTS	1.17	1.06	-0-
TOTAL ASH UTILIZED	6.42	4.26	1.75

Comparative Results

	1966*	1976	1977	1978	1979	1980
Ash Produced						
Fly Ash	17.1	42.8	48.5	48.3	57.5	48.31
Bottom Ash	8.1	14.3	14.1	14.7	12.5	14.45
Boiler Slag	-0-	4.8	5.2	5.1	5.2	3.64
TOTAL ASH PRODUCED	25.2	61.9	67.8	68.1	75.2	66.40
Ash Utilized						
Fly Ash	1.4	5.7	6.3	8.4	10.0	6.42
Bottom Ash	1.7	4.5	4.6	5.0	3.3	4.26
Boiler Slag	-0-	2.2	3.1	3.0	2.4	1.75
TOTAL ASH UTILIZED	3.1	12.4	14.0	16.4	15.7	12.43
Percent of Ash Utilized						
% Fly Ash	7.9	13.3	13.0	17.4	17.4	13.3
% Bottom Ash	21.0	31.5	32.6	34.0	26.4	29.5
% Boiler Slag	-0-	45.8	60.0	58.8	46.0	48.1
PERCENT OF TOTAL ASH UTILIZED	12.1	20.0	20.7	24.1	21.0	18.7

*First year that data was taken
**1967-1975 data omitted from tabulation because of space limitation.

Compiled by the National Ash Association

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