

Table 20. Average Number of Employees at Underground and Surface Mines by State and Union Status, 2023

Coal-Producing State and Region ¹	Union		Nonunion	
	Underground	Surface	Underground	Surface
Alabama	1,810	-	90	306
Alaska	-	105	-	-
Colorado	173	142	733	244
Illinois	-	-	2,213	91
Indiana	-	-	1,484	994
Kentucky Total	-	-	3,332	1,070
Kentucky (East)	-	-	1,689	1,070
Kentucky (West)	-	-	1,643	-
Louisiana	-	-	-	35
Maryland	-	-	147	92
Mississippi	-	-	-	236
Missouri	-	-	-	8
Montana	-	406	266	261
New Mexico	-	354	-	244
North Dakota	-	169	-	1,006
Ohio	-	-	142	182
Pennsylvania Total	751	309	2,613	966
Pennsylvania (Anthracite)	-	309	43	580
Pennsylvania (Bituminous)	751	-	2,570	386
Tennessee	-	-	4	-
Texas	-	361	-	476
Utah	-	-	1,365	46
Virginia	71	1	1,539	729
West Virginia Total	2,469	36	8,184	2,766
West Virginia (Northern)	2,276	-	2,276	90
West Virginia (Southern)	193	36	5,908	2,676
Wyoming	-	442	-	4,280
Appalachia Total	5,101	346	14,408	6,111
Appalachia Central	264	37	9,140	4,475
Appalachia Northern	3,027	309	5,178	1,330
Appalachia Southern	1,810	-	90	306
Interior Region Total	-	361	5,340	1,840
Illinois Basin	-	-	5,340	1,085
Other Interior	-	361	-	755
Western Region Total	173	1,618	2,364	6,081
Powder River Basin	-	406	-	4,395
Uinta Basin	173	142	1,905	275
Other Western	-	1,070	459	1,411
East of Mississippi River	5,101	346	19,748	7,432
West of Mississippi River	173	1,979	2,364	6,600
U.S. Total	5,274	2,325	22,112	14,032

- = No data reported.

1 For a definition of coal producing regions, see the Glossary.

Notes: Includes all employees at preparation plants and tipples not co-located with a mine. Includes all employees engaged in production, preparation, processing, development, maintenance, repair shop, or yard work at mining operations, including office workers. Excludes mines producing less than 50,000 short tons and preparation plants with less than 5,000 employee hours per year, which are not required to provide data.

Sources: U.S. Energy Information Administration Form EIA-7A, 'Annual Survey of Coal Production and Preparation,' and U.S. Department of Labor, Mine Safety and Health Administration Form 7000-2, 'Quarterly Mine Employment and Coal Production Report.'