

Table 19. Average Number of Employees at Underground and Surface Mines by State and Mine Production Range, 2022

Coal-Producing State, Region ¹ and Mine Type	Mine Production Range (thousand short tons)							Total Number of Employees	
	Above 1,000	Above 500 to 1,000	Above 200 to 500	Above 100 to 200	Above 50 to 100	Above 10 to 50	Above 0 to 10		Zero ²
Alabama	1,132	415	189	62	95	89	16	100	2,098
Underground	1,132	415	-	26	22	-	-	83	1,678
Surface	-	-	189	36	73	89	16	17	420
Alaska	99	-	-	-	-	-	-	-	99
Surface	99	-	-	-	-	-	-	-	99
Colorado	1,030	-	201	14	7	-	-	32	1,284
Underground	681	-	201	-	-	-	-	32	914
Surface	349	-	-	14	7	-	-	-	370
Illinois	1,812	123	61	-	9	5	4	148	2,162
Underground	1,812	123	-	-	-	-	-	128	2,063
Surface	-	-	61	-	9	5	4	20	99
Indiana	1,968	24	64	70	-	43	-	98	2,275
Underground	1,260	-	-	-	-	-	-	98	1,358
Surface	708	24	64	70	-	43	-	-	917
Kentucky Total	1,684	102	931	505	431	405	141	567	4,815
Underground	1,684	-	773	243	192	233	51	367	3,591
Surface	-	102	158	262	239	172	90	200	1,224
Kentucky (East)	232	102	931	505	431	405	141	435	3,231
Underground	232	-	773	243	192	233	51	235	2,007
Surface	-	102	158	262	239	172	90	200	1,224
Kentucky (West)	1,452	-	-	-	-	-	-	132	1,584
Underground	1,452	-	-	-	-	-	-	132	1,584
Louisiana	-	-	35	-	-	-	-	-	35
Surface	-	-	35	-	-	-	-	-	35
Maryland	-	-	151	18	24	36	4	41	274
Underground	-	-	83	-	-	-	-	41	124
Surface	-	-	68	18	24	36	4	-	150
Mississippi	231	-	-	-	-	-	-	-	231
Surface	231	-	-	-	-	-	-	-	231
Missouri	-	-	-	-	7	-	-	-	7
Surface	-	-	-	-	7	-	-	-	7
Montana	938	-	-	-	-	6	-	10	954
Underground	230	-	-	-	-	-	-	-	230
Surface	708	-	-	-	-	6	-	10	724
New Mexico	772	-	-	-	-	-	-	-	772
Underground	183	-	-	-	-	-	-	-	183
Surface	589	-	-	-	-	-	-	-	589
North Dakota	1,147	-	-	-	-	39	-	-	1,186
Surface	1,147	-	-	-	-	39	-	-	1,186
Ohio	-	48	294	16	6	22	-	27	413
Underground	-	48	171	-	-	-	-	14	233
Surface	-	-	123	16	6	22	-	13	180
Oklahoma	-	-	-	-	-	-	1	-	1
Surface	-	-	-	-	-	-	1	-	1
Pennsylvania Total	2,122	246	577	528	179	123	137	530	4,492
Underground	2,122	183	472	197	-	13	21	143	3,172
Surface	-	63	105	331	179	110	116	387	1,320
Pennsylvania (Anthracite)	-	63	35	165	78	50	59	373	851
Underground	-	-	-	-	-	13	21	23	57
Surface	-	63	35	165	78	37	38	350	794
Pennsylvania (Bituminous)	2,122	183	542	363	101	73	78	157	3,641
Underground	2,122	183	472	197	-	-	-	120	3,115
Surface	-	-	70	166	101	73	78	37	526
Tennessee	-	-	-	-	-	-	4	4	8
Underground	-	-	-	-	-	-	-	4	4
Surface	-	-	-	-	-	-	4	-	4
Texas	904	-	-	-	-	-	-	-	904

Coal-Producing State, Region ¹ and Mine Type	Mine Production Range (thousand short tons)							Total Number of Employees	
	Above 1,000	Above 500 to 1,000	Above 200 to 500	Above 100 to 200	Above 50 to 100	Above 10 to 50	Above 0 to 10		Zero ²
Surface	904	-	-	-	-	-	-	-	904
Utah	1,178	105	21	-	-	-	-	84	1,398
Underground	1,178	105	-	-	-	-	-	63	1,346
Surface	-	-	21	-	-	-	-	21	52
Virginia	983	251	308	192	179	68	28	316	2,325
Underground	983	113	-	110	71	17	-	207	1,501
Surface	-	138	308	82	108	51	28	109	824
West Virginia Total	4,810	3,370	1,496	871	409	504	117	1,420	12,997
Underground	4,375	2,723	1,152	444	257	235	13	1,020	10,219
Surface	435	647	344	427	152	269	104	400	2,778
West Virginia (Northern)	3,889	-	151	181	7	13	-	186	4,427
Underground	3,889	-	151	130	-	-	-	154	4,324
Surface	-	-	-	51	7	13	-	32	103
West Virginia (Southern)	921	3,370	1,345	690	402	491	117	1,234	8,570
Underground	486	2,723	1,001	314	257	235	13	866	5,895
Surface	435	647	344	376	145	256	104	368	2,675
Wyoming	4,782	-	12	-	-	-	-	-	4,794
Surface	4,782	-	12	-	-	-	-	-	4,794
Appalachia Total	9,279	4,432	3,946	2,192	1,323	1,247	447	2,873	25,838
Underground	8,844	3,482	2,651	1,020	542	498	85	1,747	18,938
Surface	435	950	1,295	1,172	781	749	362	1,126	6,900
Appalachia Central	2,136	3,723	2,584	1,387	1,012	964	290	1,989	14,134
Underground	1,701	2,836	1,774	667	520	485	64	1,312	9,407
Surface	435	887	810	720	492	479	226	677	4,727
Appalachia Northern	6,011	294	1,173	743	216	194	141	784	9,606
Underground	6,011	231	877	327	-	13	21	352	7,853
Surface	-	63	296	416	216	181	120	432	1,753
Appalachia Southern	1,132	415	189	62	95	89	16	100	2,098
Underground	1,132	415	-	26	22	-	-	83	1,678
Surface	-	-	189	36	73	89	16	17	420
Interior Region Total	6,367	147	160	70	16	48	5	378	7,199
Underground	4,524	123	-	-	-	-	-	358	5,005
Surface	1,843	24	160	70	16	48	5	20	2,194
Illinois Basin	5,232	147	125	70	9	48	4	378	6,021
Underground	4,524	123	-	-	-	-	-	358	5,005
Surface	708	24	125	70	9	48	4	20	1,016
Other Interior	1,135	-	35	-	7	-	1	-	1,178
Surface	1,135	-	35	-	7	-	1	-	1,178
Western Region Total	9,946	105	234	14	7	45	-	126	10,487
Underground	2,272	105	201	-	-	-	-	95	2,673
Surface	7,674	-	33	14	7	45	-	31	7,814
Powder River Basin	4,915	-	-	-	-	-	-	10	4,925
Surface	4,915	-	-	-	-	-	-	10	4,925
Uinta Basin	2,208	105	-	14	7	-	-	84	2,428
Underground	1,859	105	-	-	-	-	-	63	2,027
Surface	349	-	-	14	7	-	-	21	401
Other Western	2,823	-	234	-	-	45	-	32	3,134
Underground	413	-	201	-	-	-	-	32	646
Surface	2,410	-	33	-	-	45	-	-	2,488
East of Mississippi River	14,742	4,579	4,071	2,262	1,332	1,295	451	3,251	32,090
Underground	13,368	3,605	2,651	1,020	542	498	85	2,105	23,943
Surface	1,374	974	1,420	1,242	790	797	366	1,146	8,147
West of Mississippi River	10,850	105	269	14	14	45	1	126	11,434
Underground	2,272	105	201	-	-	-	-	95	2,673
Surface	8,578	-	68	14	14	45	1	31	8,761
U.S. Subtotal	25,592	4,684	4,340	2,276	1,346	1,340	452	3,377	43,524
Underground	15,640	3,710	2,852	1,020	542	498	85	2,200	26,616
Surface	9,952	974	1,488	1,256	804	842	367	1,177	16,908
Refuse Recovery	-	-	-	10	29	10	9	-	58
U.S. Total	25,592	4,684	4,340	2,286	1,375	1,350	461	3,377	43,582

- = No data reported.

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

² Includes all employees at preparation plants and tipplers not co-located with a mine.

Notes: Includes all employees engaged in production, preparation, processing, development, maintenance, repair shop, or yard work at mining operations, including office workers. Excludes preparation plants with less than 5,000 employee hours per year, which are not required to provide data.

Source: U.S. Department of Labor, Mine Safety and Health Administration Form 7000-2, 'Quarterly Mine Employment and Coal Production Report.'